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<223> Synthetic sequence with 4 tandem copies of the GAS binding site found in the IRF1 promoter (Rothman et al., Immunity 1:457-468 (1994)), 18 nucleotides complementary to the SV40 early promoter, and a Xho I restriction site.

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 <223> Synthetic primer complementary to human genomic EGR1 promoter sequence (Sakamoto et al., Oncogene 6:867871 (1991)); includes a Xho I restriction site.

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 ccattctcaat tag 73

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 <213> Artificial Sequence

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 <223> Synthetic promoter for use in biological assays; includes NF-KB
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<210> 15
<211> 841
<212> DNA
<213> Homo sapiens

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<220>
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<223> n equals a,t,g, or c

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<223> n equals a,t,g, or c

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<223> n equals a,t,g, or c

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<220>
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<223> n equals a,t,g, or c

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<223> n equals a,t,g, or c

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<223> n equals a,t,g, or c

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<223> n equals a,t,g, or c

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<223> n equals a,t,g, or c

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 <211> 667
 <212> DNA
 <213> Homo sapiens

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<210> 17
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 <212> DNA
 <213> Homo sapiens

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<210> 18
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 <212> DNA
 <213> Homo sapiens

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 <222> (12)..(12)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (14)..(14)
 <223> n equals a,t,g, or c

<220>
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 <222> (398)..(398)
 <223> n equals a,t,g, or c

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ggaccagttg	atcagaactg
tcataatctgt	ctttccactc
ataattacga	acatttagga
cccctcccc	atcccagggt
aaaaaatctc	tttacctcct
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 <211> 330
 <212> DNA
 <213> Homo sapiens

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<210> 20
 <211> 743
 <212> DNA
 <213> Homo sapiens

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<210> 21
 <211> 1592
 <212> DNA
 <213> Homo sapiens

<220>
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 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (805)..(805)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (857)..(857)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (1587)..(1589)
 <223> n equals a,t,g, or c

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cctggacagg aagggcactt ttcctagtga actggccata gatggttttg atggttcca    180
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gtttactccg tggccaggcc ccacctgtgt ttccaagtcg ggctggagac gcaggatggg    540
gtaggccttg tgctctgagc aaccccagct ctgcctcaca ggcaggagg cccggtgcaa    600
gagtggactc tgggttccta aagcaataaa tgcaaacaag ccaacagctc tgctgcctag    660
caatttccat cttagccaca cttctccctt caggggcttc ggaggagagg tcagggctaa    720
ggccggggat gagactgcag gagagagagc agcgaggggc cacattcggg gcctccgtcc    780
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raaaaaaaaa aaaaaaaagg gcggccgc                                1048

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<210> 34
<211> 596
<212> DNA
<213> Homo sapiens

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<220>
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<222> (564)..(564)
<223> n equals a,t,g, or c

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<220>
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<222> (569)..(569)
<223> n equals a,t,g, or c

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<220>
<221> misc_feature
<222> (571)..(571)
<223> n equals a,t,g, or c

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<220>
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<222> (578)..(578)
<223> n equals a,t,g, or c

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<220>
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<222> (580)..(580)
<223> n equals a,t,g, or c

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<400> 34
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tcggcacgag aattggggaa aagggtattc aatatttatt aagtaacaat gagaaatgca    180
acaaacttcc ttatttatgc cttatgaata aaagagtgtg gaatgtaagg tgaaatttta    240
tgtgcaagat cctgaaggaa tgggtattct tgaaggcagg gactgtcttt tctatgtttg    300
ttctgtacag ctctcagcac actcctgggtg cttgataaat gttatgatgt tatataatac    360
caataactaa gcacattttt agacttttt tcaaatggct tgtgtaaaat ttggttaatg    420

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tacaatggtt	ggtttgaagc	tatcatgtaa	aattggcctc	tccaaatata	atcagaaata	480
aaccgaaaaa	aatataaaaa	aaaaaaaaaa	aaaaactcga	ggggggggccc	ggtacccaat	540
tcgcctata	gtgagtcgta	tacnctaant	nctttttntn	cctatagtga	gtcta	596

<210> 35
 <211> 1380
 <212> DNA
 <213> Homo sapiens

<400> 35						
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ggcagttatc	aattagatat	aaggtgaat	tctctagtag	agttagatgt	aataaagata	180
ttgccacact	ctatccatat	gtttatacat	caaattttta	ctgagtacat	acatcatgag	240
acaaaataaa	cttcctgtca	caaaagggtg	ttgacaaaaa	ctcaagaatc	acctttcagg	300
gatactgtta	aaagtgttcc	cacatcagct	aggagttagc	tctagagggc	tttttagagc	360
tttgcccatc	ccgaaattct	atgcttgaaa	cacgttttct	catagaaacg	ctcctaccaa	420
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agccctaaaa	ggtaatgaga	gtctacctgt	tcagactgag	agctccggct	gccttggtgt	540
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aaaacagccc	tatgggaagg	gtacacaaat	gtctggggag	tatttcctgc	tttttagcac	720
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<210> 36
 <211> 903
 <212> DNA
 <213> Homo sapiens

<400> 36						
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acaagcaaga	caggaatamc	ccttaagtca	caataaaggc	ctctgcaggg	agtttttaca	420
ttcacttcat	tttagacatc	ctcattttccc	tttctacat	catgtaattt	gtgtgatttt	480
tttttttttag	atggctattc	atatgaaaag	gaagcaatgg	aaaattggat	cagcaaaaag	540
aaacgtacaa	gtcccattgc	aaatcttgtt	cttcttccag	cgggtacttac	accaaattagg	600
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tgtattattt	atattttcag	tgatctcatt	tgaaatgattt	ataggtaaat	actaatcaga	720
cattattaaa	agcaaaacag	gaaaaaggta	aacttcttaa	atttagttac	ctataaaaaat	780
tgtcaatttt	cattctttta	aaacacatgg	acttactata	aaagcctttt	tgtactagtg	840
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gag						903

<210> 37
 <211> 934
 <212> DNA
 <213> Homo sapiens

<400> 37
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 cctgtaaaat ttataggatt aaaagttttc atgtgcttgt gactaattat gaggtttata 180
 gtgggtttaca ttttgagata gttatatata taatatgccc ttttcttttg tgacattata 240
 cgtatttttt tatattgcat ttaaaattaa atgacttgct tttgccagat taaatacaga 300
 taccattggg gttttctgtt ttgattccta atgataatat ggattgattt caggtgtaat 360
 tattgaaaca gatataattg gttcagacct tttgaaac tctgaccag agacacagtc 420
 cagcatgcct gatgtacat atgaaccaga tttggatata gaaatagatt ttcccagagg 480
 tactcaaaac ctttatgact atggaattta gttatggagt caactgtggt tatgatcatt 540
 taccatttga tgtttgtgtc attgcctttt agcagtgttc atatttttta ttcttggtat 600
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 ggcaatgttg tgaaacactg tctctactga aaataaaaa attggccagg cgtggtggtg 780
 catgcctgta atcccagcta ctggggaggc taggcagga ggattgcttg agaccaggag 840
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<210> 38
 <211> 850
 <212> DNA
 <213> Homo sapiens

<400> 38
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 ttgtttttct tttagacatt tgcagatctt atctcaaggt gactaggaac ccagagctaa 180
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 tttggtaagt agattaaatc gagaatcata taatcagtac atttgagaat tatataacca 480
 gtatataata atactggaca caaccatttg ccatcttttc ctgttatcat cccatagagt 540
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 tattgaatac attccagctg ataataadt tcttttttca ccttggtgat atcagcctca 660
 gggtaaaaaa aaaagtttca taaatctttt agttataaac aggaaagttt tatattagt 720
 tgtcatttca tttctagact gttgatggtg atgatgataa agaatttga gccaattttg 780
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 aaaaaaaaaac 850

<210> 39
 <211> 1713
 <212> DNA
 <213> Homo sapiens

<400> 39
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 aaaattatca aatacattaa aaagttaata attttatagt gtactcacta cctagatgct 180
 aattagcatt acctatgctt gctttgtcac atatccattc atcatttcat attattattt 240
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caattcctgt	ccctacttga	ccctcaaagg	caaccactgt	tcctttttct	accataagat	480
ttttctgttc	taaaacttta	tataaataga	gtcacgcaac	atgtacgctt	ttctacaagg	540
cttcattttt	ttattgctgt	tcttttttat	tgctgagtag	tattccactg	tatgacaata	600
ttacagtttg	ttttcttaat	ttcctattat	tgatagatac	ctgggctgtt	tccaggattg	660
gccattataa	ataaagctgc	tatgaccatt	cttacgtaag	tctttgtgaa	catggtttt	720
cattttctttg	cagtaaatcc	cttggattag	aattgctggg	tcacagggta	gttttaaaag	780
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aataacaatg	gcattgttca	tggcacaagg	tgacaattgg	aactatctga	ggaaagcaaa	960
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tattaaaatt	ttaagggctg	ggaaatttgg	cttctactgt	aaatccttat	aatgttccac	1620
acattgtaaa	tatgcaataa	aaatgttaac	aactawaaaa	aaaaaaaaaa	aaaaaactcg	1680
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<210> 40
 <211> 720
 <212> DNA
 <213> Homo sapiens

<400> 40						
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gctggcccat	tggtcattca	cttctgctaa	aaacagggtt	ttgtgacttt	tttttttttt	660
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<210> 41
 <211> 1856
 <212> DNA
 <213> Homo sapiens

<400> 41						
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cctttacaag	tgtgaggagc	atcccaagca	tctg g gggtt	ggcaggamca	gcactgggta	660
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 <211> 802
 <212> DNA
 <213> Homo sapiens

<400> 42	
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ccagcctggt	tcccagccc
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<210> 43
 <211> 1647
 <212> DNA
 <213> Homo sapiens

<400> 43	
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<210> 44
 <211> 1782
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1765)..(1765)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (1771)..(1771)
 <223> n equals a,t,g, or c

<400> 44						
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ttggcaaatt	tggagcgaca	gatctatgct	tttgagggaa	gctacctgga	agacactcag	180
atgtatggca	atattattcg	tggctgggat	cggtatctga	ccaacaaaaa	aaactccaat	240
agcaaaaaatg	atcgaaggaa	ccggaagtgt	aaggaaagctg	agcggctctt	cagtaaatcc	300
tcggttacct	cagcagctgc	agaaagtgca	ttggcaggag	ttcaggacca	gctcattgaa	360
aagagggagc	caggaagtgg	gacggaaagt	gacacttctc	cagacttcca	caatcaggaa	420
aatgagccca	gccaggagga	ccctgaggat	ctggatggat	ctgtgcaggg	agtgaacact	480
cagaaggctg	cttcttctac	ttcctcaggg	agtcaccaca	gcagccataa	aagcgaaag	540
aataaaaaacc	ggcacaggat	tgatctgaag	ttaaacaaaa	aaccacgagc	tgactattag	600
aagacacatt	agtgcagaag	cttcagggtc	gtagagccct	gcttcccttc	tctgacctca	660
caaagataaaa	catccttcac	ctgagttcgt	ggccatccac	ctctgctctc	ccagaccag	720
tgctgtgac	tttgagtagt	ttgttctaaa	tgtggtgaca	aacaagtcac	ttctgtaaga	780
cattgggtct	tacttttatgt	cattttttagt	aacagaactg	caggaagatc	aagacaatgt	840
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tttatgtctga	aagtagaaca	caagtcacat	ttcagatgga	ggctgtaaat	atctggcatt	1020
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gggttttttt	gtaatgcctt	tgtacagctc	atacttttct	gctgacatat	ctgatcatct	1140
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ggaaacttgc	ctctgttttt	tgcaagggga	ggtaaagagt	gttttagtaat	tacctatctt	1260
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taaatattgc	tctaaaaatc	accatggcat	atggaaagtc	tcaaaattat	accaaagtg	1560
ataacttatg	tcgttcttaa	gtggagtga	aggatagcat	cagtgatagc	cagtgttgcc	1620
caccaggtct	ccctttcttg	gagggcttgt	tggggctgag	gaatctgcta	gtaatcgta	1680
cctgcctcta	gtgctgtggt	gaacttgcga	cagggctctg	ctggcacatt	ggaatcacct	1740
gagaagcttt	taaaataactt	catgncttgg	nattccatt	cc		1782

<210> 45
 <211> 619
 <212> DNA
 <213> Homo sapiens

<400> 45						
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ggggaatttt	attgcttaaa	ttaaagtttc	attttctggc	ctgtgcaaga	gacttttata	180
tctaaaaat	ggatgtacgt	ttttcatatt	ttagagttca	ttgtatggaa	aaataccatc	240
aaagttgacc	aaaagatttt	gaaaatcctt	accagttggt	tgtcatatgt	taaagtctta	300
tggttaattt	tatttatttt	atcttgttct	cttgctggg	attggcagac	tcagtctttc	360
tgttttcaca	aagaactcat	gaagaggacg	ataggggaaa	cccacgtatg	cctttgaggc	420
tagggactat	gttghtaagtt	cacctgtgat	ggccagggtca	tacagtcatg	gcacagccac	480
taaccccat	catagcacca	aggactgggg	accagaagg	cacttggtta	tggcttccac	540
actaacgaaa	atggaaattc	cttaaattga	gagaactggg	accaccagag	aaaaaaaaaa	600
aaaaaaaaaa	aactcgtag					619

<210> 46
 <211> 1693
 <212> DNA
 <213> Homo sapiens

<400> 46						
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tgacacatct	ctggatagtg	acctggatcc	agaggagctg	gcaggagtca	ggggacatca	180
gggtctaagg	gacaaaaagc	gtatgcgact	tactgaagt	caagatgata	aagaggagga	240
ggaggaggag	aatccactgc	tggtaccact	ggaggaaaag	gcagtactgc	aggaagaaca	300
agccaacctg	tggttctcaa	agggcagctt	tgctgggac	gaggacgatg	ccgatgaggc	360
cctggagatc	agtcaggccc	agctgttatt	tgagaaccgg	cggaagggac	ggcagcagca	420
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tggccttgaa	ggggaagaaa	aggatggcat	ctcagacagt	gatagcagta	ctagcagtga	600
ggaagaagag	agctgggaac	ccctccgtgg	taagaagcga	agccgtgggc	ctaagtcaga	660
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gcattaccgg	aaacgctggc	gggaaatcaa	tgcacgtccc	atcaagaagg	tggctgaggc	960
taaggctaga	aagaaaagga	ggatgctgaa	gaggctggag	cagaccagga	agaaggcaga	1020
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ctacaagaag	gctgggcttg	gcaaggagaa	acgccatgtc	acctacgttg	tagccaaaaa	1140
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ctcaaggatg	aagaaggacc	aaagagcaca	gcaacgtaag	gaacaaaaga	aaaaacacaa	1260
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atgacccttt	ttttaaacgg	ttaaaggga	gttcggtgtt	ggagcgatac	tcaatgtagt	1560
cagtctacac	ctggacgtgt	gggccactta	agccctcccc	acccccatcc	tattcctaaa	1620
taaaaccagg	ataatggaaa	aaaaaaaaa	aaaaaaaaa	aaaaaaaaa	aaaaaaaaa	1680
ctcgaggggg	tcc					1693

<210> 47
 <211> 1685
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1667)..(1668)
 <223> n equals a,t,g, or c

<400> 47						
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aggggccatt	caaaccatag	cagtactgtt	agcctgttag	tcacatggcc	ccaggctcgt	120
gcaagggagg	tggggaatgc	agtcttggct	ctgggcagct	gtgtgctcag	ctggctgtcc	180
ctgcttcttg	gggatgaagg	cattgtgaga	tttttgatta	aatctgggcc	atttccaggc	240
tgaaaagctg	gaccagagct	tcagggttg	agtctctcac	agagagattt	cccaatgggg	300
acatcagtc	tgccttgga	ccagaaagcc	acatgctgta	ggccagggaag	ggggaagcag	360
gggctgagcc	cgagggagaa	aggctttaga	ggtgttagca	gacagctcag	tggcagtggt	420
tagaattagg	gaggcagcga	cctcttctta	gtgtggtcag	agcatccaa	gaaagtgtgg	480
tctgtgtctg	ggctgctgag	gcccagaggc	aagggccaaag	ctcattcata	ggacagtggc	540
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aagtgaacac	ggtaagcagt	ggaaggccca	ccccaggaca	gggttagact	gggagcactg	660
tctccttgta	gcccacaaga	ggccaggcag	gggtgggggt	ggaggcttcc	tgcgtcctcc	720
tcacctcatg	cccacccctt	gccctgcacg	tcattgggag	gggcttgaag	ccaaagaaaa	780
ataacccttt	ggtttttttc	ttctgtat	ttttttctaa	gagaagtatt	tttctacagt	840
ggtttttatac	tgaaggaaaa	acacaagcaa	aaaaaaaaaa	aagcatctat	ctcatctatc	900
tcaatcctaa	tttctcctcc	cttccttttc	cctgcttcca	ggaaactcca	catctgcctt	960
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ctgctggcac	ccaccgtgga	ggaggaaggc	aagaggggtg	ggaggggtgt	ggcagtggtt	1560
ttggcaaacg	ctaaagagcc	cttgctctcc	catttcccat	ctgcaccct	tctctcctcc	1620
ccaaatcaat	acactagtgt	tttctaaaaa	aaaaaaaaa	aaaaaannaa	aaaaaaaaa	1680
aaaag						1685

<210> 48
 <211> 1135
 <212> DNA
 <213> Homo sapiens

<400> 48

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ccttattctt	actatcaaat	gatgatcttg	cttttcactt	ttactgtact	aagaaagatg	180
gaagcaatta	gaagagcaca	tttagcacag	tctagccaac	aaatctgact	acctacagcc	240
acctacacct	atgttattct	tgttttccac	cctattacca	taatgaccca	tgcgttctac	300
ttacaacaca	ttttcacact	ttggtgggtc	atttcacaa	catagaaawa	cattgttact	360
tctctcatct	tagaagaaaa	tcttcctttg	atccaacctc	ctccgtaagt	tactttccca	420
tttctttatt	tccctttgaa	gcgaaacttt	tcaaagagtc	atctccattt	ctccgacttg	480
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tgcgcacaca	cacaggttta	gcctaaaaaa	gctctcgaaa	aagagcaatg	gtaagaggga	600
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tagaatttaa	tagatacttc	acagttcaaa	atatcagaaa	gataaatatg	aagatatcac	720
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ataccaggag	gattaaagac	ttcattgggg	gcagggcaaa	gtgctgggat	tacaggcatg	1080
aaccactgca	cccagcctat	ttctctctct	taaaaaaaaa	aaaaaaaaaac	tcgta	1135

<210> 49
 <211> 2325
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (51)..(51)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (2323)..(2323)
 <223> n equals a,t,g, or c

<400> 49						
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gcgggagccc	gcggtggcgc	cggactttgt	gcccttcgtg	cagctgcgcc	cgctgagcgc	120
gctggctgaa	gctggagagg	cgggtgctgt	gctgcgggag	gggcttctgc	gccgcgtgcg	180
ttgcctgcag	ctgggggtccc	caggtcctgg	ccccgtggcc	gccggccccg	ggsccgcctc	240
cgtctctggc	cttgccgcgg	ggtccggccg	cgactgcgtg	ctgctgcaag	aggactttct	300
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ttttgttctg	tttttaaata	aatatctttc	aaactttmaa	aaaaaaaaaa	aaaaaactcg	2280
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<210> 50
 <211> 750
 <212> DNA
 <213> Homo sapiens

<400> 50	
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gcttcggggg	taatgagggg
gctgctgttc	ttcttacctt
ctgggatcag	atcctgctta
gggactataa	cagggctggg
cagagagttt	gtcaccagtt
ttgtaaagag	tctgccttct
atccggcg	acatcacagt
tccgaaagaa	ttaagagaat
actctcgtgc	agaaaatgta
aagtacacgt	gtactcacag
ctatttagtc	atcctgatat
acatatgtaa	aaaaaaaaaa
actaatccag	ggtgggtgaca
caggaaagag	ttccttagac
ctctcctct	accttttcta
cttaagaaaa	gctgacatag
cactcccact	agacacatgc
ctcggaagtc	cccctccgac
agggcccagt	catatatgca
acaagtcaga	gtctgtggtg
tatcctcagc	aagaaacaaa
acatgtagcc	ttggagaccc
agatgtgtac	aaaggatatg
tggttgcata	tgaaaagatg
gaggagccag	gtatgattct
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aagacacatt	
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cagttagacc	
tatgcgata	
accaaactgg	
aggcaaggac	
tataaatatt	
gtatgattct	

<210> 51
 <211> 543
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (529)..(529)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (533)..(533)
 <223> n equals a,t,g, or c

<400> 51	
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ggccacccac	ccagatgcag
agccagattc	cctgcgtgga
ctggacggga	gtttcccagc
gaagcttcac	
agagaggcag	
atgccacaca	

tggagttctc	tcggccaagc	tgcctgtgac	atgggggttg	agggtgctcca	gagagtcatg	180
gccacccctg	gaggaagtga	cttgtggctg	actgctcaag	gggaagtct	gtggcagtgg	240
agtcgtcagc	attaattcaa	ataagatctc	tccctgcaca	caatctgctt	tcgtgttcct	300
gatggattga	atcaagagt	aatgagctcc	tacttcgcga	aagcaaaaca	aactaaacgc	360
atcaaccacg	accgcagagc	ccccatctct	cccaggagg	tgagcccatg	ttgtgttttc	420
atttgtcaga	aatctatctt	aggaagccat	tcctgagatc	tgttctaatt	taggccattt	480
ttaaaaaaaa	taatgcagtt	gaaaaaaaaa	aaaaaaaaac	tctaggggng	ggnccggtac	540
cca						543

<210> 52
 <211> 1629
 <212> DNA
 <213> Homo sapiens

<400> 52						
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ctctgccagt	ggctcaactc	caccttttgt	tactgggtact	caagattcaa	tgagtgatgc	180
cacttttgaa	gagtcttcag	agcactttcc	acattttagt	gaaccagggtg	atgacttttg	240
agaatttggg	gatataaatg	ctgtttcttg	ccaagaggag	acaatattaa	caaagtcaga	300
cctaaaaacag	acttctgata	atttatcaga	agaatgtcaa	ttggcaagaa	aatctagtgg	360
aacaggcact	gaacctgttg	caaaaacttaa	aaatgggcaa	gagggtgaga	ttggacattt	420
tgattctgtg	ccaaatatcc	aggatgactg	caatggtttt	caagactctg	atgattttgc	480
agacttcagt	tcagctgggtc	ctagccaagt	tgtagattgg	aatgcttttg	aggatgaaca	540
aaaagatagt	tgttcttggg	ctgcttttgg	agaccagcag	gctactgaat	ctcatcatcg	600
aaaggaagcc	tggcagtcac	ataggacaga	tgaaaatatt	gatactccag	gaacccccaa	660
aacgcacagt	gtaccttcag	caacttccaa	aggagcagtt	gctagtggcc	atttacagga	720
atcagccact	tcagttcaga	cagcttttatt	aaaccgcctg	gagcgaattt	tcgaagcatg	780
ttttccttcc	atacttgtcc	ctgatgctga	agagggaatt	acttccctga	agcacttgct	840
ggaaacaagc	actttgccaa	taaaaacgag	agaggccctta	cctgaaagtg	gggaattgct	900
agatgtgtgg	actgagctac	aggatatcca	tgatgcacat	ggcttgagat	accagtgggg	960
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<210> 53
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 <212> DNA
 <213> Homo sapiens

<400> 53						
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tcaggagttc	gagaccagca	gggccaacat	ggcgaaaccc	cgactctact	aaaaatacaa	660
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<210> 54
 <211> 1652
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1500)..(1500)
 <223> n equals a,t,g, or c

<220>
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 <223> n equals a,t,g, or c

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cacttgtaga	gaataaatgt	tcacacttta	ctggtattag	cacacacaca	tcacatgcag	360
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aaggccggca	tggtggctca	tgccctgnaat	tctagcactt	tgggangcca	agcaagtgga	1560
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<210> 55
 <211> 1308
 <212> DNA
 <213> Homo sapiens

<400> 55						
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tttcatttgc	tgtaatctca	tttttcygtc	tttgcttttc	ttacttgtgc	ttttggagtc	240
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<210> 56
 <211> 726
 <212> DNA
 <213> Homo sapiens

<400> 56						
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cattgaaaaat	tatgttttgg	gagttaaaaa	atacttattg	aaagaggata	tggctgggat	240
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tcacctgtta	tgtattcgtc	cctattcctt	aactatgtat	ttttatttca	gtgagagaag	600
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 <211> 1118
 <212> DNA
 <213> Homo sapiens

<400> 57						
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<210> 58
 <211> 2793
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (223)..(223)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (2782)..(2782)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (2786)..(2787)
 <223> n equals a,t,g, or c

<400> 58						
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aggcatgcgt	acataggtgg	tatgttttga	gctggcattt	attttgctga	aaactcttcc	180

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<210> 59
<211> 1974
<212> DNA
<213> Homo sapiens

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<223> n equals a,t,g, or c

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<210> 60
 <211> 2111
 <212> DNA
 <213> Homo sapiens

<220>
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 <223> n equals a,t,g, or c

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 <222> (612)..(612)
 <223> n equals a,t,g, or c

<220>
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 <222> (1142)..(1142)
 <223> n equals a,t,g, or c

<220>
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 <222> (1203)..(1203)
 <223> n equals a,t,g, or c

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<220>
<221> misc_feature
<222> (1245)..(1245)
<223> n equals a,t,g, or c

```

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<220>
<221> misc_feature
<222> (1765)..(1765)
<223> n equals a,t,g, or c

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<400> 60
tgataactaa acacacatgt ggtgaatcgt cactcatggt cctgatcact tgggttcatt      60
gtgcttgtca atcaaaagga cccagacgt gcctgccacc aatccccagg ctgaccacaga      120
tgcttctagt gactcagtta ggaggatgga gggcaaactg acaacaagca aaatttcta      180
tggttggaag gtattttggg ttctctgcac ttgtgtttat atttnttttt ttgagaaaa      240
agatagtcaa accatccagg cataaaatca ttctaataga aaagctgttg agaatcatgg      300
agaaaaaaaa taaaccctgt aactggagc tcaactgctta ctcacaggca cttacatcag      360
gatagcagca gcagcggcag caggagcaga aaaacaggct aatcagaagg aagaaaaaac      420
attctctgaa aacgctaaaa tggagcaaca gtagtggcct agaaaggggt atcatatgtt      480
ttggtaaaaa taataataat aataataagc catgtagcaa tggagaattg aaattcctga      540
gagtcactga aactgttcag gggctccttt cattctcttc ttcacttcca aaccctgcaa      600
atccccacg gnagctcttt gtatagasat aatttctcag actacttgc ggagaaattc      660
atacttttat agaaagggtat gtgatgatgg tgtatttatg tgtgaaagag aaaagaggaa      720
tttactggtc tctccatctt caagaaagaa aatttctaaga attttcacat caccacctac      780
agaccatgac aatgtcttcc agaaaaataa acattgttcc ttttatggct tttagaacta      840
gaatgcagaa ttcaattatt tattttaaaa tccctaacag gattttatcc tggaggagaa      900
agcgtgcaca agtaaaagga attgtaaatg ctaacaaaat aaaggaaaaa agacaaaaag      960
gctcattata gaattttcag tatcagggga ttctaattct aaactgtgga ttaaatctgt      1020
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gaagtctcaa aggcaacttc tcttctccat gcccatggga atatcttaga gtcacaaatg      1140
angttaataa aaagcccctg attccttgga tctcatggat aaagagctca ccaattamca      1200
ggncccacag gaaagaacaa agcagcttca tatcgaaaca gaaanaacaa aaaacaaagc      1260
cctgcaattt gcaaatgtcc aagaagtgc tggaaatatca gtaaataatg gaaaggaata      1320
caatttttaa aaaaataggc tctgtgcata ttgaaaagtg tctttttttc cagataaata      1380
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tgcttggtcg cacaaagcat atataaagca taattaagag gaggactgct cgacagagcc      1560
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aggcaatcaa aggaaaatgg aattaaaaac aaataataag gtaaccaa atttagatcat      1740
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tctctgaaaa taccttactt cctattttaga tcaaaaatttg gtacatttct aggaaatagc      1860
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atataatcaa acattaacac tttggactac tcagaaagta tatttatact ttcaggaagg      1980
attatggtag agtatgtact taagtgggag cattttgtgt gtaaaactagg aaggttggct      2040
tagtctctgg gaggcaaaca aatcgaagtc gcggaattcg atatcaagct tatcgatacc      2100
gtcgacctcg a                                     2111

```

```

<210> 61
<211> 592
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (8)..(8)

```

<223> n equals a,t,g, or c

<220>

<221> misc_feature

<222> (451)..(451)

<223> n equals a,t,g, or c

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<400> 61
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cccacccctg cccaggata cccctttttt cccaggccag ccttccac cccatgaatt 120
cttcaactat aatccagtgg aggacttctc gatgccaccc cacttaggat gtggccctgg 180
agtgaacttt gtgcctggcc ctctgccacc tccaatccct ggccctaata cccatgggtca 240
gcactggggc ccagtgggtc accgggggat gccacgctat gtccctaaca gcccctacca 300
tgtgcggaga atgggggggc cctgcaggca gcggctcaga cactcagaga gactgatcca 360
cacatacaaa ctggacagac ggctctgtc ccattcgggg acatggcctg ggtagactgg 420
atcttgggct gggactggat gtgccaatgg nccttcaggg cctgcctggc acctcaggta 480
ctgggctagg gtgtctgcta tgcctgggtat tgttcttgct cattgctgtc accaataaag 540
gcatggaaga acagagtgc aaaaaaaaaa aaaaaaaaaa aaaaaactcg ag 592
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<210> 62

<211> 1010

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (350)..(350)

<223> n equals a,t,g, or c

<220>

<221> misc_feature

<222> (584)..(584)

<223> n equals a,t,g, or c

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<400> 62
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ggccctgcgt ttagccagga tgtggctctc cagcttggct tcagtgtgat cacttgtcag 180
tgcgctttct ctttcgatag tgaaatcctt ctctatacct atgttttgtt tgtttctta 240
agttgggaaa cagaatgggc cagggaggtt gagtactga agaccaaggg ttggtgcagc 300
ctcctcgccg cgctgcgggg gctgggccgc acaggcttct gcccttctcn ggtgtccagg 360
ctccttgggt ratgctggag tktmatgsc cgcagttcag tgtgagattt tttaccaggt 420
attgcgctta aagggacatg attttccatt ttcttcgccc ggacaacttg aatgaaatgg 480
gcactgttga ttccacttct gtcragragc ttcggggctc agagaggtga tgacgtgccc 540
aaggtgacgc aactcgtgaa cagccgtgcc tgccttgggc gcanctccgg cgccagagct 600
gggctcttca acacggcatt tagcgagaa agtcgtggtt caggcatgat gggccgctgt 660
gacaaaacac ctaagactgg gtatgtttata aagaacagac attcaggcca ggcacgggtga 720
ctcacgcctg taatcccagc actttgggag gccgaggcgg gtggatcatt tgaggctcagg 780
agtttgaaac cagcctggcc aacatggtga aaccccatct ctactaaaaa aacaaaacta 840
gctgggggtg gtggtgcatg cctgtgggtc cagctacttg ggaggctaag gtagaagaat 900
tgcttgaacc tgggaggcag agattgcagt gagccgagat cagccattg cactccagcc 960
tgggtgacac agtgagactc catctcaaaa aaaaaaaaaa aaaactcgag 1010
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<210> 63

<211> 1219

<212> DNA

<213> Homo sapiens

<220>
 <221> misc_feature
 <222> (575)..(575)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (582)..(582)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (606)..(606)
 <223> n equals a,t,g, or c

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<400> 63
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ggtagccaag gcacaggtcc tgtctttaag cagtttatgg tatagtgggg aaaaggggtg      120
gtaaaaacac aaaatacctc ccatgcaaat gtcctaactc tcttcattaa tcaatatcta      180
catgatccca caggtctact tctttatctt catdctgca ggactagata ttgatagtt      240
actactttcc caatgctaac ttcttcattt atcctgtcat attttgtttg tttcagtttt      300
tatttttttg ttgttttggg ttctgttttt ttagagaca ggggtctcagt ctgtcactca      360
ggctggagtg cactggcaca caaaaagctc agcagcctgg gacttctggg cacaaccct      402
cctcacgcat caacctccaa agtgggtagg actacaggca tgtgccacca catctggcaa      480
atttttaaac tttttttttt ttgcaaagac aggggtctcac tctgttgccc aagcgagtct      540
ggaactcccg ggcacaagca atccaccac ctcancctct cnaagtgctg caatcacagg      600
cattanccac cttgcccagc ctgattttg ttttaataata tttcacagtc acattcgctg      660
aaacttactt ctcccttatt ctcttatatt tcagtacttt tcaacattct gtttgataa      720
cgtcacttat ctggtgccaa atacttaaat cgtagtctga tctattccca ggaattcagc      780
attaccagtg ttctgactcc taaagctaca ttcttctgct tatctatact cacaaatttc      840
agatctatat cctgttaaat atcacttgca tttttcaaag ataccttaag tacaggatat      900
cttaaccaga atcattccaa ggaaaatgtg ctgctctttc cacttttccc aagggttgga      960
aatggcacca ctttttcctc accctctcgg gtaggtatct ttggtatctc ccactgttct      1020
ccatagcctt atccacattt ctgttttagc aatccctact tttccaccct tcaaaccacg      1080
gctatgattt tttgtaacct acactcaagt cctcctctac ttcttgtagc atataatcag      1140
tctctccata taatgcctct catgccttta cttttaaaca tcaaactctgc tcgtgtcgaa      1200
ttctttggat ccactagtg      1219
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<210> 64
 <211> 2630
 <212> DNA
 <213> Homo sapiens

```
<400> 64
gctgcacttc ccaggcccca ccagccgcgg ctccggctcg tagccacag cccactgccg      60
gcggctgggc gctgccgagg ctccggggcg gcgcagttgg cgtctgccag tgccaagact      120
gtgccgcccc cacagccgag gcggaaaagg gggacgcccc gcctctgggc cgctgccttc      180
gctttctctt cgttggttgcg aacgccgtcc gctcaggagg cgccccgcga ccggcgcgat      240
gagtgccaac gaggaccagg agatggaact agaagcatta cgctctattt atgaaggaga      300
tgaaagtttc cgggaattaa gtccagtttc ttttcaatat aggatagggtg aaaagtga      360
tcccaaagcc ttcttaatag agatttcctg gacagaaaca tatcccaaa cacctccaat      420
tctatctatg aacgcttttt ttaacaacac catatcatca gctgtaaagc agagtatatt      480
agccaagcta caggaagcag tagaagctaa tcttggaacc gctatgacct atacattggt      540
tgaatatgcc aaagacaata aagagcagtt catggagaat cacaatccca tcaattccgc      600
aacatcgata agcaatatca tctcaattga aactcctaata acagcccat caagtaagaa      660
aaaagacaaa aaagaacaac tttcaaaagc ccagaagcgt aactggcaga caaaacagat      720
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cacaaaggag	aacttcctcg	aggctggaac	tgggttgatg	ttgtgaagcatttaagcaaa	780
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aagagtaaaa	ctgggttcaa	aatctttcat	tactattttc	tggtattgag gcgacttttt	900
ataaaacaca	atTTTTtgta	tgtttcttac	attaaaaagg	ttgtaagttg aaagttcatg	960
aagagatctt	gttgatttaa	attattttca	caaacttgcc	ttaataaaaag gtgaaaatgt	1020
tactgttttag	tatactttat	gaagccctt	gagctttata	aatggacagg catggggaat	1080
aagaatcagt	gttaatttaa	atgatcttat	cctggtggat	gtgctrtttt cttaaaggag	1140
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attactgaac	cgtaaattac	ttcagagaaa	tttaaagtct	ggtatttgaa ctttatacat	1320
gatacttttt	gtagtttctt	ttaatTTTTg	aaagatgaac	tgcttccttt taataaatta	1380
atatctattt	atacttttct	cttgatttgg	gtcaagatgt	ttgatcatga gtgctttgag	1440
tgggtatgtg	aataggagaa	tataaaaaaca	aatctgccaa	atacactaga aagcatttta	1500
gtaagaaatg	ctggcccttt	cttaaaacat	ttctcttgca	tataccagga tgggagtaaa	1560
agatgcctta	atatttagtt	tttgatttgt	tggagacat	gattttaata aaatcctatt	1620
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aaaaccacat	ttcaagtctt	gtttcttttt	ggagtgtctt	ttcaagtatt caaatgtatt	1740
tctcaacctg	agcatctttt	taatcatata	catgggagtc	ttttaaagtc tgaactgtta	1800
cacatgcttg	atttaaaaat	aataataata	gaggaaacta	ttggtctagt tgtgccaaaga	1860
aaagtttctg	atgtttatgt	gtgatgtaca	gtgattttgt	atatgcgccc agctttaaga	1920
acacataaaa	ctattacgtc	tggtaggaag	attgttagtg	cctcaagtta cacctgtgca	1980
gcttgggtct	gagttttgat	agaacagtaa	acatttaaag	aagttaagag cagtttgagc	2040
tgtatccgcg	gtttttactc	gttaactgac	ttcagctaaa	tagtttgaat tatagagtaa	2100
gtataattac	agcaaaggag	ttaatctcat	tttcaaagct	gtttctcatt ttatttcttg	2160
aattaatgta	gagcaaaaaca	tgttaaaatt	caggacmact	ggaatatggc aacttatgtt	2220
tcagggttgt	gtgtgggtag	tatttgttgt	tgtatttggt	tgTTTTtTgt ttttgagaa	2280
acatctgcta	gtggaataaa	atactttgtt	ttgctctgaa	gagactgaaa ttgttcaggc	2340
ttattatggc	tcatagatta	cagagaatga	tgctagttag	atgccaatga actattttta	2400
ctcttttttat	atgaaatgta	aaaatttga	ggggttcttg	tgatgggtgg acctcttatt	2460
accttatgta	aaacacttga	acagcctcat	caatattgcc	gtcatctgtt taacactccc	2520
agtatatatt	ctcaatgtct	gtttacttaa	aattttgttg	agtacataa ttaataagca	2580
ataaagtctg	aattatacac	agaaaaaaaa	aaaaaaaaaa	aaaactcgag	2630

<210> 65
 <211> 1276
 <212> DNA
 <213> Homo sapiens

<400> 65					
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tttatcatgc	tttgagata	ttgtgttttt	tacaaattga	agatttttga	caatcctatg 120
tcaagcaagt	ctattgggtg	cattgttcca	acagaatgtg	ctcacttttt	gtcacatttt 180
ggtaattctg	aaatatattca	aaagttatta	ttaatctgtt	atgggtgatct	gtgggtctttg 240
atgttaatat	tgtaatgtgt	tgggagcaca	acaaaccatg	cccatgtagg	ttgcaaactt 300
agtttggtaaa	tgttgtgtgt	aatagttgct	acaccaacca	gctgttcccc	aatcactctc 360
cctctcctta	ggcctcccta	ttccttgaga	caaaataata	ctgaaattag	gcaaattcac 420
aaccctataa	tggcttctaa	ctgttcaagt	gtaaggaaga	gtcacacatc	tttacttta 480
aacccaaaac	tagaaaggat	tgagcttaat	aaagaaggca	tgtcaaaagc	tgagataggc 540
caatagctag	gcctcttggt	ccagtttagc	aagttgtgaa	tgcaaaggaa	aagtccttga 600
agaaaactag	aactacttta	gcgaatacac	aaatgataag	atagtgtgac	attctaattg 660
ctgatatgga	gaaagtttta	gtagtctgga	taggagatca	gccacaacat	tctcttaagc 720
caaagctaac	tctcttcaat	tctatgaaag	cttagagggtg	aggaagctgc	agagaaaag 780
ttggaacctg	gcagaggttg	gttcatgagg	tttaaggaaa	gaagccatcc	tcatagcata 840
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ctagctaaga	ttattgatga	aggtggctac	actaaacaag	agattttcag	tgttgacaaa 960
agggttttct	tttggaagaa	gatgccatct	tggctttgaa	tagctggaga	gaataaggaa 1020
atgactgact	tcaagggaca	ggctatcttg	ttaggggcta	atgcagcagg	tgaccttaag 1080

tcgaagccca	tgctcattta	ccatttctgaa	aatcttaggg	cccttaagaa	ttatatataaa	1140
tctatcctgc	ctgtgcttta	taaatagaac	aactaagcct	ggatgccag	acatctgttt	1200
atagcatgat	ttactgaaga	ttttaagtc	actggttgaga	cttactgctc	aaaaactaaa	1260
aaaaaaaaaa	aaaaaa					1276

<210> 66
 <211> 1807
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1807)..(1807)
 <223> n equals a,t,g, or c

<400> 66						
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cagactcatc	cagcccttgg	gtgctgacca	gcagagtcac	tagtggatgc	tgaagttaca	120
tgagctacat	gttaaataatt	taaagtctcc	aaaataaaaac	acccaacgt	tgaccttacc	180
cggtgatgg	ttagcccctt	gctgcctgct	ccatgtgtct	tatgagagcc	cgtagttaca	240
gtgtcctcta	atltgaaatc	cataagttaa	caagtctata	tcaggtgcag	ctggccttga	300
ttaaaggcca	tttttaaaac	ttaaaaactc	aacacctcac	agattataat	agaaaaagaa	360
atggcctcag	tttgatctcg	ttcagaatga	cccagattgt	ttctgctttg	ggtgcagctg	420
tttagttcag	agttatatta	cagagaatta	ttttctgaga	taatcttaaa	ctagaatgtt	480
caaaactaat	tgataattga	agtatcaaga	tacgtagaac	acctcagaga	tttttcttca	540
ggaacttcca	caaactttga	atccttgtat	ctttatttgg	tattcatact	actagtagca	600
aaatacaggt	tttttgtttt	gttttgtttt	ggcttcatag	agtatctcaa	attgaaactt	660
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aatacataaa	atcattttaa	tataattcag	catatgggaa	gtaacattgc	actaatatgg	780
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acattattcc	agtttggaat	tacttattaa	ggagaattgg	aaatacatat	gccccatgctt	900
aaattttata	gctttaattt	gtgttatttc	tttattgacg	ggaagaggta	catctttttt	960
tccttactga	aaacaaatat	ggattaattg	cctaaatttt	gtataagtga	ttggctagtg	1020
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cttaatggtg	ttattgtatg	ttgttactga	agtacttaga	tttttaaaat	ttcaaatcct	1140
aatcacttc	ttgtaggagg	gttttcatta	actgcagtat	atacagttca	ctacatatgg	1200
gttggttgag	ttttttgtgt	gctgtatttc	tttctgtttt	ttaataacctg	gttttgtaca	1260
tatctaactc	tgttctcttt	tggttgttca	gaaactggat	tttttttttc	ttaagcagtg	1320
cttaatttgt	gttttttaat	tttgattcag	aagtagtccc	agctcatagg	tgttcatact	1380
gttacatcca	gaacatttgt	caggctctct	gtcagctttc	atgtacatat	ggtatagaaa	1440
ccatggagtt	aggcacttcc	tggatttttt	ttttatgaga	aaaataactgt	atttaaaatg	1500
taaaataaac	ttttaaaaag	caggcactaa	tatatatttc	ttccagcctt	tgattacaaa	1560
tttgtccttg	cacatgttaa	gatgaattat	ctcctaataaa	tatcattggt	cttggggagca	1620
gtgtatgtta	ctttacatag	cagcggttcc	tgtcatgtgt	tcatgtcaga	atatttttgg	1680
ttttaaactt	tcttattgcc	tttggctggt	gattagtaca	gtacaagtgc	gatttcaaaa	1740
agatcttgaa	agtaatatat	ttaatcaatt	aaaatgttta	tctgtaaaaa	aaaaaaaaaa	1800
aaaaaan						1807

<210> 67
 <211> 1732
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (6)..(6)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (56)..(56)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (83)..(83)
 <223> n equals a,t,g, or c

<400> 67
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 tacctagggt caaaattata ttnttttagga aggtgccctg gatttttggg caggagattt 120
 cttacmaacc atwttaaaaa mcmaactttg aaaagtmctc tactaccaga agcacttaga 180
 ctatcacaga aaaatacatg aagagttaat gtctgagata agaccagcag cttatagtta 240
 taagaaaaac acactgtaca atgtttgggg gggaaatctg ttgtttatag aaaagcttta 300
 cctttttctt atttatcctc agataacgtt gtgaaatctg ctcatcagta aggtgatata 360
 ggaaagaatt ctctttttct atctatgggt tatttacata ttaaaatttt actcagttta 420
 ttaagtacac atatgatacc acactagatg caaatatata tacaggctat gacagtcaat 480
 gttcaattta atactgggtca ataaagtga tttattcaaa tgtaacaact tcaactgaat 540
 tttttggatc acacatatcc tatataaagc catctgggtt ctaatattat gcacaacaca 600
 ttccatttta attataacat tcatctacaa gaaaaacaag gaaaacaatt caaaactatg 660
 ttagtaatta gttcttggtt ggtccattgt acgcaatcag graagtatag gacttaatta 720
 gttgctatca aattgaagcm atgaaaaagg taaaaatcaa gtacttaaa taaaaatatg 780
 gaaataaccc cccctcccca atactwwagg gacacwwaac aacaactact gtcccatcaa 840
 gcaaaagtgg aaaacaaaca gagcatgtgt gtaacctcac ttaccatctt tttgttattc 900
 tacttcaacg ggtcaagaaa ggtgaagaga gagaaggtag aagtaagagt cagaaaaggc 960
 ctaataaaaa toctactga aatgttttaa catacaagca atagagacaa ttaggttgag 1020
 gtcagatgca gtactactat atttaatgga gttaataatt agggccaaat taacatggac 1080
 agttattcct gaatgcaaat taactcatta aacgatttaa atttccattt ttcagtctac 1140
 cacattttag ctaacaagac acaaaaagta taagtcaaaa tataagcac aggaattcca 1200
 aaaagtaagc ttctttaatt cattactgaa cttaagaact ttaattaga aaaataaatg 1260
 ataacagcaa aggtctagct gagtaggcag agtgtttagat agctcagggt tgtttttcca 1320
 agctctagtg ttcaagttaa atttatttga cacagggtatc ttttgctgkt ttctactcga 1380
 agaataattt aacttgatag gcttacaaga ttgcacagag tgaacagaat tgagccaata 1440
 gaatacagaa tgacaaacca tacmagcaaa tgctgctagg gaattccttg gcaaaaatgk 1500
 tttattagca tactgacaaa tttgatttct atcacttggc cttaaacacg aagaaagtgg 1560
 gcatgaagag atgtgtagtt atttgtgcct atgttggaa ataaatttat ggctatacat 1620
 gatatttctt catacctcaa aaattttatt gtccagtata taaaaaagcc attctttaa 1680
 aacctgacac tgaataaaaa gtatagcctt caacttcatt aaaccggcac ga 1732

<210> 68
 <211> 1052
 <212> DNA
 <213> Homo sapiens

<400> 68
 gctgccgtgt gcacggccgt ctggtctctc tcccacacgt gtgcgcaacc tgtcatggag 60
 atgtgagggc cttgtgtgtg cttctgtgtg tgactgtgtg actgcggggc cagacccccg 120
 cctggcgggtg atgtgggccc ttaaatcact cttcctgctc accccctccc cagtgattcg 180
 gttttacttt gcagcactgt ggatccgggc agctgggcg cttctcgggg gtggggggtc 240
 cccacccccg cccacaagtc tggccccagg gttctcggag gcaggggggc tctgttagtg 300
 cgctccctcc agctgcaggc acatagcccg agctcacagc tcgctgagt cgacgccggc 360
 tggggtgaaa gctccaagtg ggccctctgc cttcccgctg ctctgggtcc agagtgtctg 420
 gagcatgtgg cacagaccag ggcccttctg cctccgagga ggggtgggaca tcctctctgt 480
 ctcacgcccc tgggtggaga ttctggctgg cctcctctcc ctgtttgcca aggtcaaagt 540

gggccaaggg	tgcaggtgct	tagcctgggt	ccctctccc	ggccccgagg	ttctgtgggt	600
tgggcagatt	ggagacagga	ctcgtgtaag	ggctctgctg	gggtgaagga	tggagacaga	660
gaaaatcaag	atcctttcac	aagttaattc	tacgtctgct	gagccccagc	ccccgacaca	720
tcacctgag	gaggtgctag	gttctctg	gccccctgtg	ccccatccac	atgttgacaga	780
gtaaactctgg	ccccttggac	ctgggggtccg	agatggacgc	ctggctgccc	ctcctggact	840
gcgggtgaca	gctggcgaga	cactgcgggg	cttgggtgcg	gggagatgga	gtggggctga	900
gctgcatttt	tccagccacc	ccacatccca	cagaagggga	gtcatggtca	gtgccttgag	960
ctggaaagac	gggcaatgct	tccggcccac	accaaccaag	aaaaccacca	ggggctcatt	1020
catcctctca	aaaaaaaaa	aaaaaaadc	ga			1052

<210> 69
 <211> 992
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (405)..(405)
 <223> n equals a,t,g, or c

<400> 69						
ggttccagcc	caccccatcc	cacacccacc	tggtctcatgt	ctctctgacc	tcagttccc	60
cctgcacccc	cagggatggg	tggaaggggt	ctagaaggta	tggacctgga	gtgggtcact	120
tctgggtggg	aatctggcta	gtcagaagca	tgagtgatcg	aatgaacaag	aatgctctgt	180
aaactctgag	acctttggag	gctgcagagg	gagaggggag	cagaactcca	gagatctgca	240
tcttgtcaga	ggagtccatc	aagctgatt	ggggagaagt	ccccgcactc	ccccagctcc	300
cgggtctctc	cagcagctca	tctacctgcc	cccacctgg	ggcacctgca	aagctgttac	360
catggactcg	gatttggatt	tcttcgactc	ctacagcatc	actgnctgcc	gcacgactg	420
tgagacgcgc	tactgggtga	gaactgcaac	tgcgcgatgg	tgacatgcc	aggtcaggy	480
kggggytccg	agcatactcc	tggggtcctg	ggsctttgct	gccyttcact	agctccccat	540
ccatatcaat	ctcccttccc	atcttctccc	agcttacacc	ttctaggcct	ttggtactac	600
caccatcacc	agacccttg	aattcccatc	ctgcattcatt	gtcttttctc	ctctgtaggg	660
gatgccccat	actgtactcc	agagcagtac	aaggagtgtg	cagatcctgc	tctgggtgag	720
cggccctggc	ctggggcagt	ctgggggagg	gaaaagggtgc	tgccagccac	gtgcgcagga	780
gtttcagggtc	acgctcccag	aagcctcaca	taactcctgg	actgggctgc	accctctctt	840
gtgtctgaca	ttaaagctga	gaatggctcag	tcatgggtggc	ttacacctgt	ahcccagca	900
ctttgggagg	ctgaggtggg	caaattgctt	gagcccagga	gttcgagacc	agcctggttt	960
catggtgaaa	ccctgactct	atgaaaaaaa	aa			992

<210> 70
 <211> 1229
 <212> DNA
 <213> Homo sapiens

<400> 70						
ggcacgagaa	aatacaaaaa	tatccaggc	gaggtgggtgc	acgtgtgtag	tcccagttac	60
tcgggaggct	gaggtgggag	gatggcttga	atctgggagg	tgaagattgc	agtgaagctga	120
gatcacacca	ctgcattcag	tctggataat	agaacaagac	tctatctcaa	aaaaaaaaatt	180
gtatacttta	ttgactcatt	tatgtctgat	gggtattttt	gattacaaat	tgtagtca	240
ctactttaag	gcctgcttta	tttttttctt	aattttattg	actcatttat	gtcttagtct	300
tttttattac	aaattattta	ttgttcagtc	actaccttag	agcctgtttt	attttttctt	360
aattttatta	aaggatgata	ttgatgatga	aatgtcttac	gatgatcatt	tagaggttta	420
ttttgaacaa	ctggcaattc	cacgaatgat	ggaataaaac	atatgaagta	gaaggactgg	480
aacctccaga	aaaagtactt	taagttacct	acaggtgatc	ctagtcagg	atgaattgat	540
aagaaatgcc	tgcaccttcc	ctccttccta	tctttccctt	gcctacagaa	aattaaaagg	600
caaaacaatg	gacatctaca	tattcttcat	tcagatcaac	cagtggcag	catttgccac	660
cttttgcagt	ttcttttctt	ttccataagt	actttcttct	ctgaatcatt	tgaagcaaa	720

tgaaaacagt	agcctaaagt	gtcagtttca	accagaaaat	aacagctctg	atttctcatg	780
gctcacactc	ttctgaaacg	actcgggtag	aggctgagga	aggccgtggt	gtttgtctac	840
ctgggactag	taagtataga	aatagaattc	ctttgttctt	aaattctacc	tttgacttta	900
ctttttaa	ataatttctt	tggtacgatt	tagctcatgc	ctgtaatcct	agcatttttg	960
gaggccaaag	agggagaatt	gcttgagccc	aggagtttga	gaccagcctg	gacatcatag	1020
ggagactctg	cgcacgcaca	cacacacaca	cacgcgcacg	caaccggga	atggtggcat	1080
gcgactgtgg	ccccagctgc	ctgggaggct	gaggttggag	gatcatttgg	accaggagg	1140
tggagactgc	agtgagccat	gattgcacca	ctgcaactcca	gcctgggtga	cagagcaaga	1200
ccctgtttca	caaaaaaaaa	aaaaaaaaa				1229

<210> 71
 <211> 1811
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1804)..(1804)
 <223> n equals a,t,g, or c

<400> 71						
tccacggatt	ctctgccaca	aggatatgtg	gctcagtgtg	gtcaagttcc	ttccaaagaa	60
cctgcacttg	gtctgcgtgg	acatgccagg	acatgaggg	accacccgct	cctccctgga	120
tgacctgtcc	atagatgggc	aagttaagag	gatacaccag	tttgtagaat	gcctgaagct	180
gaacaaaaaa	cctttccacc	tggtaggcac	ctccatgggt	ggccagggtg	ctggggtgta	240
tgctgcttac	tacccatcgg	atgtctccag	cctgtgtctc	gtgtgtcctg	ctggcctgca	300
gtactcaact	gacaatcaat	ttgtacaacg	gctcaaagaa	ctgcagggct	ctgccgccgt	360
ggagaagatt	cccttgatcc	cgtctacccc	agaagagatg	agtgaaatgc	ttcagctctg	420
ctcctatgtc	cgttcaagg	tgccccagca	gatcctgcaa	ggccttgtcg	atgtccgcat	480
ccctcataac	aacttctacc	gaaagtgtgt	tttgaaatc	gtcagtgaga	agtccagata	540
ctctctccat	cagaacatgg	acaagatcaa	ggttccgacg	cagatcatct	gggggaaaca	600
agacgcaggt	gctggatgtg	tctggggcag	acatggtggc	caagtcaatt	gccaactgcc	660
aggtggagct	tctggaaaac	tgtgggcact	cagtagtgat	ggaaagaccc	aggaagacag	720
ccaagctcat	aatcgacttt	ttagcttctg	tgcacaacac	agacaacaac	aagaagctgg	780
actgaggccc	cgactgcagc	ctgcattctg	cacacagcat	ctgctcccat	cccccaagtc	840
tgacgcagcc	accactctca	gggatcctgc	cccaaatgcg	gtcggagcgc	cagtgaccct	900
gaggaagccc	gtcccttatc	cctggtatcc	acggttcccc	agagcttttg	ggaccacgcg	960
aaaacctcca	agatattttt	cacaaaatag	aaactcatat	ggaacaaaat	aagaaacccc	1020
agccatgaaa	tctaccatga	agtcttcaag	ttcatgtcac	tgacaagctt	gtgcaaagca	1080
gccaccttgg	accataatta	aatcaaggac	attttctttg	agacattcct	tatagttgag	1140
gactcaagat	atttttgttg	catcagggtg	attcccttgc	atgggcagtg	gctttttatag	1200
gagcattagt	cctcattcgc	tgaaccctgt	tgttttaggtc	taattttaagt	tttacataga	1260
gacccatgta	tgactgcagc	ccattggctg	caagaccagg	gaggaaagtg	gcaagctgta	1320
gaaaatgttt	acacgcatgg	aggggcattg	ctccagccct	cagagcgtcc	ggagcagcag	1380
grtacatggg	tgggaggttc	attcagcacc	caccagtcag	gtatgttctg	agtgaaccca	1440
cagcagtcgc	agaatgagca	cctggcaggg	tgggtttcct	aggaataatt	tattattttt	1500
aaaaataggc	ctaataaagc	aataatgttc	tagacatctg	tctaagtaat	caagctcagg	1560
ttccacacac	aagcaacaac	tcgtgggcct	cttttctatt	tcaatgtgct	actaagaacc	1620
cttgatgta	acatactagt	tagttaatga	attctgtgaa	ttctgtgaag	agtaatgtga	1680
ttgaaaataa	gtctaaacag	ctgtaaaagt	gaccacaatg	acatgaaata	aatttaataa	1740
gtctagatca	gcaaaaaaaa	aaaaaaaaa	aaaaaaaaa	aaaaaaaaa	aaaaaaaaa	1800
aaanaaaaaa	a					1811

<210> 72
 <211> 2534
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (174)..(174)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (1350)..(1350)
 <223> n equals a,t,g, or c

<400> 72
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 cgaccacacg gtccggcatg catgggaata gcggccctgg aggatgttag acttgctccc 120
 tctccaagac agcagcagcc tgcacctgcc ccgtgtgtgt ggccggcctc ytcntcacc 180
 ttcccggccc ccggccaagg acccaggcgc tgcatacagg ggaggggccc acccacagct 240
 ggggcccgtt ttccctcagct ctaggctgtt ctgtagctta tctgcccctc cccactttc 300
 aagacagatg agcaggagct tgggtctctc tcggcccctg ttgttccca gcccctgcag 360
 attctgagca aaggccctgg gtaagaaggg tgggagtggg gcctttgccca gcagagccag 420
 ggcagggcga gctgcaggaa tcacctctct gccctgcag ctggaatgtg ccacagaggc 480
 cccacctgaa gggatgatgt ctggaggggt ggcccagagc catactgcgt ccaccttgag 540
 ctgggggaca ggtgacagt gctgctctgg gaaggggctt ttagatgtaa cctacaattc 600
 agttaggcta gagacagatg ctggtggagg aagggtctgg ccaccaggga tcacagacca 660
 caggaagatg ggaggtggaa gcagaggccc tgccccacc ccttctctgtc tcaactttct 720
 gtcttgtccc caccatgctg ccttcgtgcc tgagacagg gtggccacac aggcagggcc 780
 tggctccagt ctcatcctcc cattgcccag tgagccctgc tcttctctcc ccagcccct 840
 cccaccgctg cctcgtagag tgacctcgga cagagcccc ctagcaatac agggaggctc 900
 ccggggcctg gacaggcggg ctggagggt acccgtctgt gccgggtgcca gctgcccttg 960
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 gtacagactc ttcacagatt tttatcttaa ttgcaagtct gccgattttg taaatgttct 1080
 tgggtgtttga ctgtaatgta actatctcac ctaatgggtg tacatatcct ttggctctgg 1140
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 tagagaacag tattgggcag gaggaaaagg cttggtgtct gcgggggggtg tcttccctgc 1260
 ctgtggcatt tgtgtgttg ctttgcagct gctgtctgag cagtgtctgag tagtggccac tgggggtgct 1320
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 gctggggcct gcctgcagcc agggctgggg ttgccagagg ccctggaggg aaggacagtc 1440
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 tttatttagc tattttaaaa aaaaaaaaaa aaaaaaaac tcgagggggg gcccgggtacc 2040
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 ctgggaaaaa cctggcgtaa cccaacttaa tcgccttgca gcacatcccc ctttcgccag 2160
 ctggcgtaat agcgaagagg cccgcaccga tcgcccttcc caacagttgcgcagcctgaa 2220
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 atagaccgag ataggggtga gtgttgttcc agtttggaa aagagtccac tattaagaa 2400
 cgtggactcc aacgtcaaag ggcgaaaaac cgtctatcag ggcgatggcc cactacgtga 2460
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 aaaggagccc ccga 2534

<210> 73

<211> 1434
 <212> DNA
 <213> Homo sapiens

```
<400> 73
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cgtatttttg ccttccacca ttcttggtg tgacctgggtc cagctggggcc ctgaatgaat      180
gtttgcttct caggcagta ttctccctc ctcaccaagc cacctccaca cagctctaag      240
gaagctcccc caggtccagg cctcagggga gccctgccct caggccgacc ctactgcctt      300
ttcagagccc tccctgccct cctcgggaagt tgctgatgaa cctcctacct tcaccaagga      360
agaaccagtt ccactagaga cacaggctgt tgaggaagag gaagatcag gtgccccgcc      420
cctgaagcgc ttctgtgtgg accaaccac agtgccgcag acggcgctcag aaagctagca      480
ccatccccgg cctccgcctc ctggccctgc ctctatttat tgcattctgg ttctggccgc      540
gccgcgttgc tggggtaagg gcaagcactg gggtaagag cctgcacaca tgagccttcc      600
gggctggaag gctggcgtag gacttggggc tgtagcatca tcttcctgac cctggcacct      660
gtgtctactt gctcccgaga agaggagcgc tcatgtcttt ttgacacccc aagttggctg      720
gagcatcgcc caccccaaga ttcatctgtg acctccaggc agcagtctct gctccagaat      780
ctctggacgg agctgctggc agcttctgag agaagagagag atgtggaag gcacctttta      840
gaagagagcg tgcctcaggt tactgaactt gaacggagac tgtagactcc cggactttcc      900
cctaggactg ggggccctgt aggtctgtgt tggaggactg ggtagagaca ttggagggaa      960
gggaagggct tttctccaca caagggcaga gagtccgtct agatttcttg ctgtcctgcc     1020
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tttgtggccg ccgtcccat cccctgccct cagcacacac atctgcacac acgcagcttt     1140
gttctcacct ctacctgtca ttccagcatc cctgcctctt gtcacaaact gccccagcaa     1200
gaatttgagg ttctgacaac agtaccatc ccccaagta ccccttcagc tcagtttcta     1260
gaaagctccc ttttctttga aatctgcatg ttgaattgaa ctttgtgatt ttattttttg     1320
tttcaaaaaa gtttaagaaa atggaaatgg gcaacagtga gtgaagacat atttttagcac     1380
tgaatagaat atttttaaaa ttaaactatt tgaaatatga aaaaaaaaaa aaaa      1434
```

<210> 74
 <211> 910
 <212> DNA
 <213> Homo sapiens

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<220>
<221> misc_feature
<222> (17)..(17)
<223> n equals a,t,g, or c
```

```
<220>
<221> misc_feature
<222> (857)..(857)
<223> n equals a,t,g, or c
```

```
<220>
<221> misc_feature
<222> (862)..(862)
<223> n equals a,t,g, or c
```

```
<220>
<221> misc_feature
<222> (883)..(883)
<223> n equals a,t,g, or c
```

```
<400> 74
gggccggaat tcccggntcg accmacgcgt ccggccgccca tctcaggtct cttggctttg      60
```

cagggccac	cggagaaaac	tgacgaccg	tttctgta	ccttatggga	gaccaacdt	120
gtgcctccg	gagatccact	ctcccacctg	gaaacgcacg	ggaagccaag	cctccaaaaa	180
agcgctgct	cctcgctccg	cggtgggatt	atccggaagg	aactcccaac	ggaggtagta	240
ccactctacc	ctccgcacct	cctcctgcat	cagccggcct	gaagtcgcac	cctcctcctc	300
cggagaagta	gagaaataaa	tttctccac	cctaaaccag	tctttgagtg	attgcagtat	360
gactccattt	ccctggtgca	ttcatataat	agttcacctg	gtgaaaacaa	tgaagattat	420
ttacaatgct	accctgcttt	ttctggtgtc	ctgaacctgg	aagttgtgct	ttttaagtct	480
tatgatgtaa	tcagcacgat	ttcacttcct	gaatttcgat	gaattctaag	acbgggcaa	540
gatcgggttg	taagacctct	gagatttaag	gccatgccct	ggatcatggt	gaacttacca	600
aagcaaacia	tgccgtgtgag	atggtccctgc	agcagccaac	cagtgaactc	ttttggtgac	660
atcctgttct	tggtgtataa	ctttatatct	ctataaatcc	attaaggccc	caataaagtt	720
tgtctctaaa	gcgctgtgtt	agatctatat	ggactacatc	tagtaaaatt	gtgaattttw	780
aagtaaata	tttataagga	actcctatgt	aaagcmttac	ttaaaattar	gtgttgga	840
tatggacctt	ctttccnaac	anttatcat	ttatttatgg	tcntatttat	tccattattt	900
taggggaaaa						910

<210> 75
 <211> 1929
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (10)..(10)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (26)..(26)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (1912)..(1912)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (1924)..(1924)
 <223> n equals a,t,g, or c

<400> 75						
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aaaagcacac	ttgaggagct	agggaaactat	tttgaaaat	atatacaata	tttaaagata	120
caaacagtag	tgcttaaaaa	tactacataa	agcattat	taaagggtat	actggaaagt	180
gcaattttta	aatgagtaaa	acctctgtat	ttctgctggc	attaagggtt	gatggtgtta	240
ccatgtatca	tcatggcggt	actatTTTTT	aaaagaaatt	aaacactgga	tctctcctta	300
agccaacatt	gaaaagactt	gccgcacttc	tgagtccaaa	cactggaaag	ctctcctttg	360
ccaccgttag	ccggggctca	ttctccatgt	gccttagcct	taaacaatgcc	cccactccca	420
catctctcac	cctgtccoct	cctccccaga	ttcccaatcc	caccgcaatg	tttggaagc	480
ctaggactga	taagtagctc	tgatagagga	gagggtggct	tttatacttc	ttcctgggtt	540
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tgcttttatt	catttttgaa	gtatgagttt	gtagggacaa	agaatgtatg	ttatcgtaga	780
caagaccccc	agagactcct	ttcagcagaa	agttatgctt	ctagttgcct	taccatgttt	840
cttgcaaaa	tgtccatggt	cctcaagggt	gttggaacaa	ttatgtttat	taaattgggc	900

tctyttcctt	tgctgtgcac	ttgatgggtg	aactggattg	gggtgtgcac	atccaggagg	960
aggaggagag	acctgtagaa	gtttaaagat	agtttgtaaa	tatcttctaa	tgcttgtttt	1020
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atttcaatgt	tattaaaaag	gtttgtttta	ttaggaagtt	aatgtattgt	tgcaagtgtt	1140
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cggncatata						1929

<210> 76
 <211> 788
 <212> DNA
 <213> Homo sapiens

<400> 76						
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gcaccgccct	cctctctgcc	cacttcctgc	tttggcaggc	cctagtgtg	tgggcggaact	360
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<210> 77
 <211> 1264
 <212> DNA
 <213> Homo sapiens

<400> 77						
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aatt						1624

<210> 78
 <211> 892
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (21)..(21)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (33)..(33)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (855)..(855)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (868)..(868)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (891)..(891)
 <223> n equals a,t,g, or c

<400> 78						
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taacactttg	tgtagctctg	tggagttgga	ttttcttaag	gtttaaaaag	aatcacagct	180
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tatttcagca	taccattttt	acttggttaa	cagtgtacat	tttgataacc	tatcagggaat	780
gaataaaagta	tttttattta	aaggtgaaaa	aaaaaaaaaa	agggcggccg	ytytagagga	840

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892

<210> 79
<211> 597
<212> DNA
<213> Homo sapiens

<400> 79
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ttgcagatgg ttctctcacc gctggagttc catccgttct tccccaaggc tcatctgttc 180
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gttttatctg agccttcacg ggagcctagt taactctttc gctgtcacta gcctggccct 300
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ccctccctcc tgcaagccct tgagtgtccc ctccctccat gtctgtgtgt ggcaag 597

<210> 80
<211> 530
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (308)..(308)
<223> n equals a,t,g, or c

<400> 80
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gcatgaggca gagcttgca tgagccaaga tcgcaccaccgtactccagc ctgggcaaca 480
gagcgaggct ctgtctcaaa aaaaagaaaa aaaaaaaaaa aaaactcgag 530

<210> 81
<211> 1143
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1109)..(1109)
<223> n equals a,t,g, or c

<400> 81
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tccatatccc cccaatattg ggtgccctgg aggttccaat cctgcccacc caccacctat 180
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tggcaagcat	tcctcctctt	cctcctcctc	ttccagcagt	gattctgact	gaatacaggc	540
cctggaccct	tccctcaagt	ctcaccagtt	ctgctctccc	atcaagcttc	agatgccatg	600
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agatgatgaa	ctaaatgttg	aagacaagtt	tgagatctgt	aaaatgtgat	tttttacttc	840
cacttataat	acttgtgatt	ggggagggtt	gtggaaattc	aattatgatg	aaaaacctat	900
cttttttgta	atgttggcat	acttggggaa	tttagtggca	aatacattcc	ccagcaggcc	960
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tttgactgcg	gttttggaac	cttacdctc	ctccttagcc	caatatgctg	tcttgggtcc	1080
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ggg						1143

<210> 82
 <211> 402
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (373)..(373)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (397)..(397)
 <223> n equals a,t,g, or c

<400> 82						
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tttttgtgtt	ttcttttttt	ggggtgtttt	ttttttaact	gcctggtaca	aaaaaaaaaa	360
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<210> 83
 <211> 471
 <212> DNA
 <213> Homo sapiens

<400> 83						
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gctttatctg	tctccctctc	caacttttgc	caagttaccc	ttctgggctt	ccgccagcca	360
ggagcccaca	ctccctcagc	cctcccacac	gtcctctca	actcctagct	gggcttcgct	420
gacttgaacc	tggccgagtt	tgcgggctcg	gggctccaag	gtgcgctgct	g	471

<210> 84
 <211> 467
 <212> DNA

<213> Homo sapiens

<400> 84

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tcacatggaa	agtctaggca	cagttcgctc	ctcagagagc	cactgtgtgc	catctccatg	180
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taatctcttt	cctggcttct	ttgagtgcc	actgggcctc	taccgggtga	cactcctcct	360
caatccagtc	ctctcgcatg	cgggccagct	gggacttaag	ctccacgatt	tcactttccc	420
tagagtgcc	agacaagcat	ggttaattaa	aaaaaaaaa	aaaaaaa		467

<210> 85

<211> 761

<212> DNA

<213> Homo sapiens

<400> 85

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gcacagagga	gtccaaggtc	aggttgctta	gagtcagct	cttctcacga	ccctagtccg	180
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cccaccctca	gtgaargggg	cagggctcag	arccttccgt	agaactggct	ttattgcatt	720
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<210> 86

<211> 943

<212> DNA

<213> Homo sapiens

<400> 86

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<210> 87

<211> 497

<212> DNA
<213> Homo sapiens

<400> 87
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 ggtatgagtg ttattagaaa cgtggctctc tcttctctta tgcatacaacc tgtaatgact 180
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 agtttcccggt acgcgtg 497

<210> 88
<211> 1536
<212> DNA
<213> Homo sapiens

<400> 88
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 taaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaa 1536

<210> 89
<211> 1550
<212> DNA
<213> Homo sapiens

<400> 89
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<210> 91
 <211> 2582
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1006)..(1006)
 <223> n equals a,t,g, or c

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<210> 92
 <211> 1904
 <212> DNA
 <213> Homo sapiens

<400> 92						
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<210> 93
 <211> 2187

<212> DNA
 <213> Homo sapiens

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 <222> (347)..(347)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (2097)..(2097)
 <223> n equals a,t,g, or c

<220>
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 <222> (2187)..(2187)
 <223> n equals a,t,g, or c

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 <211> 4115
 <212> DNA
 <213> Homo sapiens

<400> 94
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<210> 95

<211> 2196

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1921)..(1921)

<223> n equals a,t,g, or c

<400> 95

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 <212> DNA
 <213> Homo sapiens

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 <212> DNA
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<210> 98
 <211> 701
 <212> DNA
 <213> Homo sapiens

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 <223> n equals a,t,g, or c

<400> 98						
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aaaaaaaaa	aaaaaaaaa	aaaaaaaaa	aaaaaaaaa	a		701

<210> 99
 <211> 552
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (3)..(3)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (69)..(69)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (128)..(128)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (164)..(164)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (198)..(198)
 <223> n equals a,t,g, or c

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<210> 100
<211> 1756
<212> DNA
<213> Homo sapiens

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<220>
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<223> n equals a,t,g, or c

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<210> 101
<211> 377

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<212> DNA

<213> Homo sapiens

<400> 101

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<210> 102

<211> 660

<212> DNA

<213> Homo sapiens

<400> 102

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<210> 103

<211> 2261

<212> DNA

<213> Homo sapiens

<400> 103

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 <211> 525
 <212> DNA
 <213> Homo sapiens

<400> 104						
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<210> 105
 <211> 809
 <212> DNA
 <213> Homo sapiens

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 <222> (372)..(372)
 <223> n equals a,t,g, or c

<400> 105						
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gatgatagat	atgctaatta	ccctaatac	tatatgttat	atgtattgca	acatcactat	660
gtacccccat	aaatatgtac	agttattgtg	tattaaaatt	tttttaaact	aaaattataa	720

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aaaaaaaaaa	aaaaaaaaac	tcgaggggg				809

<210> 106
 <211> 1323
 <212> DNA
 <213> Homo sapiens

<400> 106

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gag						1323

<210> 107
 <211> 845
 <212> DNA
 <213> Homo sapiens

<400> 107

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aaaaa						845

<210> 108
 <211> 1526

<212> DNA
<213> Homo sapiens

<400> 108
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ccatcaagct cattattatt ttttgatctt cagttgtatt tttgtgaata ttttaataca 1500
tctttttcaa tttcttaaaa aaaaaa 1526

<210> 109
<211> 941
<212> DNA
<213> Homo sapiens

<400> 109
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ctgatggagt ccgtgctctg gactcactgg ccaccagga atgactgtca gcaaytccct 180
ttaacgcttt tcacctctga agagagggac cgtatccgaa gagaggccag aaagtatttt 240
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tctacccggc ctgattggga tccaaattcc tcagggtggga agacagcttt ggatgatttt 360
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acaactgaag ttgtccaggg gcctgatgag tcaccaggg cgtttctaga atgcctccca 480
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tcgagagttt gaaaagcaag aacaggcagc ccaggtagct gaaagaactg ctgacaaaagc 720
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gaaatgccca ttaaaaccag aagaaaaaaa aaaaaaaaaa a 941

<210> 110
<211> 867
<212> DNA

<213> Homo sapiens

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<400> 110
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ggtgagccag tggtagcagc tgggtggtgt tacagcaagc atggagatct atggctctgc      180
tgtggcagat aaactggaca atagcagaag cattcttaag aggagatatt acagacagca      240
ctgcactttg gagttgggca gctacatcaa ggactctct gtgggtccaca gtgacctctc      300
cagcattgtg atcctggata actccccagg ggcttacagg agccatccag acaatgccat      360
ccccatcaaa tcctggttca gtgaccccag cgacacagcc cttctcaacc tgctcccaat      420
gctggatgcc ctgaggttca ccgctgatgt tcgttccgtg ctgagccgaa accttcacca      480
acatcggtc tgactgggac acaggcggaa gcctaggaga gccgaatcag tgtttgtgaa      540
gaggcaggac tggccagagt gacagacata cggtgatcca ggaggctcaa agagaagcca      600
agtcagcttt gttgtgattt gatTTTTTTT aaaaaactct tgtacaaaac tgatctaatt      660
cttcactcct gctccaaggg ctgggcttg ggtgggatac tgggattttg ggccactgga      720
ttttccctaa atttgcctcc cctttactct cctctatatt ttctctcctt agactccctc      780
agacctgtaa ccagctttgt gtcttttttc cttttctctc ttttaaacca tgcattataa      840
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<210> 111

<211> 1875

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (334)..(334)

<223> n equals a,t,g, or c

<220>

<221> misc_feature

<222> (966)..(966)

<223> n equals a,t,g, or c

<220>

<221> misc_feature

<222> (1304)..(1304)

<223> n equals a,t,g, or c

<220>

<221> misc_feature

<222> (1319)..(1319)

<223> n equals a,t,g, or c

<220>

<221> misc_feature

<222> (1329)..(1329)

<223> n equals a,t,g, or c

<400> 111

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ttaagtgggt tcatgagatg gaatctactg ctggtgaagt tgctgtgaat attgttgaaa      180
tgacagcaaa ggatttagra tattacataa acttggtttg gcagagtttg agaggattga      240
ctccaatttt gaaagaagtt ctgctgcggg taaaatgctg tcacacagca tcacatgcta      300
cagagaaatc tttcatgaag agtcaatcaa tgangacamm cttcattggt gtcttatttc      360
aataaattgg cacagccact ctagccttca gcaaccactg atcactcagt tcagcagcca      420
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tcaacatcaa	gacaagaccc	tctaccagca	aaagattac	aacttgctga	agggctcagg	480
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tagactagag	tacagtatag	tgtaaaccta	ccttttatgt	acactgggga	acaaaaaat	600
tgtgtaactt	gctttattgt	gatacttgct	ttattgtggt	agtctggaac	agatcctgca	660
gtatccccaa	ggatgcctg	tatctcagta	tagtcgtgat	cataggtctt	gcttttcttt	720
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gctttggcat	cctccaagaa	cttttccctt	tcwaagttaa	ctgntttaat	aaatggacnc	1320
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agaagctctc	tgtgttctct	tcagtcacgt	tccccaccc	caactcctac	ccaaggtaac	1800
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<210> 112

<211> 2036

<212> DNA

<213> Homo sapiens

<400> 112

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ttgttcttcc	cacttgcct	cctgccatgt	gttttccctt	cttatagtaa	aaggaggaga	180
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cagggaaacc	ccagaggaaa	tttgggcagt	ggcgtctgcc	ctcaggagg	tccatccagg	360
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caaacactta	cgtagtactc	actgtatgcc	agtcactctt	ctaagtgcac	tacttggtgt	900
ctctcattca	atcctttaat	aaacaatccc	attattttcc	atattttact	gattcagtaa	960
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cacttgagcc	tgggaagcag	aggttgtggt	gaaccaagat	tatgccgctg	cactcctgtc	1980
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<210> 113
 <211> 1047
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (34)..(34)
 <223> n equals a,t,g, or c

<400> 113						
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gaagaaatta	cccctgtggt	ctccattgcc	tacaaagtcc	tggaagtttt	ccccaaaggc	180
cgctgggtgc	tcataacctg	ctgtgcaccc	cagccaccac	cgcccatcac	ctattccctc	240
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<210> 114
 <211> 676
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (638)..(638)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (656)..(656)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature

<222> (675)..(675)
 <223> n equals a,t,g, or c

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cctattcgtg tcatattgac cttttgctgc atgagtcata aattatgaaa tcagtcttac      180
agtttttgaa atktagccag catttgtaag gctaaacctt tttcatgaac tgaatttaag      240
tgaataacca agccacagtt cctcctcaaa tggagagtga tgatcgacat ttgaatctct      300
ttgccctttc caacggctat ggcacaggt tctaaaataa gctcgttaatt tttcctgtta      360
ttttaataat atggaaatat tagcatagtg tttcattga tagtgataga ctataatcca      420
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gtaaggattt gcccggtgtg tattttttac aattgagaca ttttacttta atctttaaaa      540
aaaatgcatt aaaaacacac tcaaaaaaaa aaaaaaaa ctcgaggggg ggcccggtam      600
ccaattcgsc ctatagtgag tsgtataaaa tcaactggngt cgtttacaag tcggangggg      660
aaacccgggt tacna                                                    676
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<210> 115
 <211> 924
 <212> DNA
 <213> Homo sapiens

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<400> 115
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ctgttgtagc tttaactcgt gtgcacgtgt gacacataaa gccccaaagag aagggtgccc      180
tggctcagat gcacttccat gctgattata tgcattgggtg ttgaaagcag tgctggctga      240
gcagcgatcc cagtgcagtt tgactttatt ctttgctcaa atagggtgaag gccacgggtc      300
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ctggtactgg aggtctgggc ttaacgggtg aaggctccgtg cgaggccaaa atcgagtgtc      420
ccgacaatgg tgatgggacc tgctccgtct cttaccttcc cacaaaaccc ggggagtact      480
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tgggtgaagc tggcctcctt agcgtcgact gctcggaagc gggaccgggg gccctggggc      660
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atggtggcga actcgtgcc aacttccccg cccgggtcaa ggtggagccc gccgtggaca      840
ccagcaggat caaagtcttt ggaacaggaa tagaagggaa aggtgggttt catttaaaaa      900
aaaaaaaaaa aaaaaaaaaa aaaa                                                    924
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<210> 116
 <211> 1121
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (286)..(286)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (1102)..(1102)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature

<222> (1105)..(1106)
 <223> n equals a,t,g, or c

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<400> 116
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aggtacccca gtccccagtg tacttagaaa ggatctcgaa cattgctgga cgtccctcata      120
gtactcacia agggctagcc ttgaatgtca ctgcgccagt cttcagtctc ctgacttaga      180
gatacaatca cgtcacaggt ctcttggcct caatctgaaa actgctgccg ccgcgccgag      240
gagactcgca tgccgccacc acctcactgg gagggcgccg agcancctgt cgcgccctag      300
accttgacag ctgcagctgc cttgccttgc cgccgcctcc ctgcagggcc cctgttccaa      360
tgaaaaacag aacacaaaag agcagagcac ctaagcctgt ctctgcctcc ctgtctaccg      420
gactggccag ggccaagacc cccgtgctc cactgcgggg ctgggcgggc tgactccctg      480
cttccctcar gctgctgcct cccctgcagc cagggctctgg gcaggggtgca gccggtcctc      540
gggcgcacgc agcttccttc aagtacactg tgtgtgcttc ccggacctgc ggcatgcca      600
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actttaaagg acagcaaata agaactttgt agaatccac caggactttg ctaacaataa      780
tgtttgaaa taaagaagtg ctctgaaaaa atatcagcca ccaaaatagt tatgttgga      840
ctgtgtcac acgcatggtc cccacacccc caggttggtt ggggtttttt gttttttggg      900
tttttttggg gggggggctt tttcatgtta catccatac tgtatttata tcttatttgt      960
ttcactttca agtgtatcat ggcaaatgta cagatttttt tgtaataat gtgctaggat      1020
ttgctaaaaa agaaaaaaa aaaacccttt tgagtttgcc ctagaataaa tgagacttaa      1080
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<210> 117
 <211> 1820
 <212> DNA
 <213> Homo sapiens

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ctttctggcc atagggagaa tagcaggagg tctatgtttt ggtggttaca ttggaacat      180
cttaagcaag agagggaaaag ttgattttag gcacacatgt accctccttg acagcaggaa      240
ctcagacttc aatcttgggg gtctaagacc agaattttt cttctgccca gaaaagaatc      300
ttgcacatat actcctgagg catgagtgtg tgggccatgg caagaaatag ctaaaggctg      360
ctttccagga cccaaagccc catttaatgc aagaaccaga gaagtgttct aggccattag      420
tggaacaatgt catgttttga gaaagataac aacacaaaata atgtaacctt tccttaaaag      480
gcagaactca atccatttta tttgatgctt attctaacc taaccttggg tcacctggaa      540
tgaagaactc tatgaataat atttgatttt acaacgtgtt atggttatgt gaaaactaaa      600
catttgcctt ttataaagac tgacaaaata taaatcttta ttctaaccct atccccaaaa      660
ctagccaggc cacaccccag atgttcttat tgactatttg gaagatagaa aaggcgttgt      720
gttttttggg tttttgttgt tgttgcatt gttgtttttt tcagaagacc agtgtctcag      780
ttctgtctta gtagtaccac acccgtaacc gtgtttttaa agtttgtttt agcctagaga      840
cagatcatat gagttcaaca atgtacagtg tgattgaaaa gacagggttg tgtctatttt      900
tcttttttaa atatctgaat gtgtatttgt aatacgtaaa ggtaaaaaaa aataggcca      960
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aaacccattg ggattaaata tttttgaata ggatacactc ttgrgaaact cgrgaatgga      1080
ctgagccttc ctacaagcca ctctttgttt ttaaaacagt ggggaaatac gtttacagag      1140
attgtgagct tcagagaatg catgtgatgg tgtgtattac atgctaattc atataagctg      1200
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aacagcccag aaggaagcaa agcatctgca taatcaggag ggttgataa caagtagtga      1500
tttggaatat atgtgggtag ctttaggctg aggcacgggc ctgaggcaaa aatgcccttc      1560
gagtgaatcc gaaggcatg atcttctat gtccttgact aggcattgac agtcatttga      1620
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ggtcagatat	tatttgagtt	gttcagcacc	cccaaaggta	ggcatttctcc	tgggaaat	1680
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aaaaaaaaaa	aaaaactcga					1820

<210> 118
 <211> 1573
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1549)..(1550)
 <223> n equals a,t,g, or c

<400> 118						
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aaaacaattc	ttgatgtaac	tttgtacata	tcttctacta	ccgttggggg	ctcttggggg	360
tagagggtgg	ggcggtctctg	tgggccattg	ctcccctcca	cctctcaaaa	gaccttacag	420
tatttcacag	tatctctacc	cgcacgcgag	tattacagta	tctagctgga	atatccccct	480
acagcccccc	aggaccctat	gaggaaggga	aggagccagg	gagagtgaag	taaggctctg	540
gactgggggag	gtgggatctg	aatgaactca	tttgcatatc	atttgcatcc	tccgcttggc	600
agccgctttc	tacaaactca	ttcactggag	tctggtccc	aatcagccgg	gtccaggact	660
cctctcacac	agacacatct	ccggaggctg	ggcctcctga	aaagtgtttg	cttgggggtg	720
ctgtgtaaca	acccctccct	attcataatt	cttggggacc	ccctaccag	ccagccaggg	780
tgatctgaaa	ggtatacttt	gctagctcag	tgagctagtt	cactcaccat	gttgggtgagc	840
agagagccac	acctttcccc	atcttaccyt	gggaaactca	ctccaccatc	tttgccatct	900
cttgaaagtc	ccttctgcaa	tctgacctca	atcttttgtg	ctgcagtttg	tccagagggg	960
acacagatgt	ggggtcaggg	atgaggatta	ttgraaaacc	catcatctct	ttttttttcc	1020
ccgtctccct	attagccaat	ccgatctcag	agtctctgag	tggcctcctt	gcacccttct	1080
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tctctatctt	agtctttgtc	tgtcttcctc	ctttcctcaa	atgtctcaac	tctctctccc	1320
caatttcccc	atttaaaaaa	aaaaaaaaagt	gccaaacttc	cttggaaactg	agccgctctg	1380
gggggagagg	accttgata	gaggggagga	aatgggacca	tttctctttg	aggaggtccc	1440
taagaggcat	tgcaaaagtg	tgacatgga	gctaaattgg	gtcccccttc	cacagccctc	1500
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ccggtaacca	att					1573

<210> 119
 <211> 1304
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (41)..(41)
 <223> n equals a,t,g, or c

<400> 119						
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gctgtccccc	catccaaaac	ægtgcgcca	ctgcagttag	tgttgagggc	acctctcctc	180
ccctcttaca	cctactcaga	tgaggcagca	gcagacccat	ctcgcggcgg	gggttttgtt	240
ctgttgccgc	ctaactttct	catcctcggt	ctctggaaag	tcaggctgag	aaatcctttc	300
ccaggccagg	ccgctgcggt	acactggatg	gttctgaagc	tggcccattg	aagagcctc	360
ttaaggcagc	tgggacagag	gcctggtggc	cctgctgggc	agcccaactg	ctgggggaga	420
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ggcctcctta	gggagacagg	tgaccctggg	tgccaccctt	gccccgtgtg	tgccccgggt	540
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cacttccctt	ctcatggagt	cagctgagca	tcagctcagc	cctgccatgt	ccccactcac	660
cctcctcgcc	tctgtccgg	ccctgggttt	ctagcgggtg	ctgaggcatc	actctggccc	720
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atgccctgcc	ttgtccttgt	cgtgttgcca	tggggttctg	agaggctggg	agttcacaga	840
cctcagacac	agctgagtc	gacaaccatt	ggggtggggc	tgcatcagtc	tccggagtgg	900
ccgcccacct	cctgaagcag	ggcctggccc	acccaagggtg	cctggggcag	gcgggcaccg	960
tcattcgctg	ccattggctt	ctcagatgta	tttcaaggac	taaagtgggc	tctaagatct	1020
aagatggccc	ggcgcggtgg	ctccgcctg	taatcccagc	actttgggag	gccgaggcgg	1080
gcggatgagt	tgaggctcgg	agtttgagtc	ccgctctcta	ctaaaaatac	aaaattagcc	1140
ggacaagggtg	gcgcatgcct	ataatcccag	gtactcagga	gctgaggca	ggagaatcac	1200
ttgaacctgg	gaggcagagg	ttgcagttag	ccaagattgt	gccactgcac	tccagcctga	1260
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<210> 120
 <211> 1867
 <212> DNA
 <213> Homo sapiens

<400> 120						
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cttgaaatth	actttgttgt	ctttctttca	ctttctgttg	tcgttttacc	attacatgca	180
ttatttctaa	agtcgttctt	ttttttggat	tttgcttgctt	tcaaattttt	atgaaaatgg	240
cagcaaaatg	tttatattct	tctgccactt	gctttttttc	atttaatat	gttttgaaga	300
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gatttctctg	cttttttttt	ctattatcaa	ctgggctgcc	acatatgtct	ttatgcctgt	480
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ccccagtgtc	ctaaatcctt	gccaacactt	agtgtaacca	ggcttcttaa	tttttacc	660
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ttttctgtaa	gaaatgcatg	tacaatgtta	taagaacatg	caaaaatcaa	aatactttat	780
aaatgttcac	tttataaaaa	atgaatgaga	aaaacataac	gcattttaca	taaagaaaat	840
ctgtaatgct	tttgttattg	gctgggtatt	ttcacacctt	ccaagtgggtg	gctgttgata	900
aattcagcaa	taataacctt	atgtttatta	atattaaatg	ataatgtcga	attaattaaa	960
tgaagttaaa	tttattgata	gttattcatt	atatcctgct	gttctaactc	atcctggaag	1020
agaatagagt	gaaagagaaa	ttgcctttat	atataaatga	ctcatagaat	ttcatatact	1080
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caacatctgc	ctctggagag	gcctcaggaa	acttttactc	atgggtggg	gcaaagtggg	1560
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cgtgaggctg	agacaggaga	atcgcttcaa	cccagagggt	ggagtttgtg	gtgagccgag	1800

atcgcgccat tgcactccag cctgagcaat cagaacgaaa ctctgtctca aaaaaaaaaa 1860
 aaaaaaa 1867

<210> 121
 <211> 2168
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (676)..(676)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (735)..(735)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (1551)..(1551)
 <223> n equals a,t,g, or c

<400> 121
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 acttgaatta acatgagggt atttatgata ttttgtaaact ctcaagttagt gagactagtt 480
 gtacattttta ctgtagaaat atccatgtgt ttgatttcag agtactaccc tgaaaatacc 540
 caggtatttg gaagcataga atatatgaat taaatgactt ttttaaaaaa ttgtggtaaa 600
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 tgtatatcca cattgntgtg caaccaatct ccagaattct ttttacttat taaactgaaa 720
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 gttccccagc agatcacagt atggagaccg gttctgagtc atgctcccta taactggaat 1440
 aacacaggga attcttcaca tgtttcataa tgtgtgtgag tgaaaggaca acccagactt 1500
 gktattgaaa aacccgmccag tggtcaggca tcattattgg aatgtcttct nccacactgc 1560
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 cmcaaaattc tgcagaatac aaaaccctct gatggaccac tcctgataaa tataaaataa 1740
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tattcgta						2168

<210> 122
 <211> 1260
 <212> DNA
 <213> Homo sapiens

<400> 122						
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cattccaaat	tctaattctc	agtgtcacct	tgcatgtcca	tttctggatt	tatatTTTgt	180
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caccattgat	tgtaagacac	accctgattg	gtgaggtgta	aaaatgggg	aaagtggctc	360
tcttagaatg	aaatatctta	gaatgaattt	gtgtgagtca	ggggcagggtg	aaagtcattt	420
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agtctcagtt	tccccatcta	tcaaaacgga	tattcattcc	tgctttgaat	gtgttatgta	900
ataatgatta	aggaaaataa	aatgcaagtg	ttgaagttga	tacaggatct	ttatttcatt	960
ccagaaaact	ctgtaaagtt	tcctcattta	aaaattcctt	ccttctgtgg	ccgggtgtgg	1020
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ggagttcgag	accagcctgg	ccaacatagt	aaaaccctgt	ctctacaaaa	aatacaaaaa	1140
ttagtccgac	atactgtctt	gaaccagga	ggcagaggtt	tcagtgagct	gagattgtgc	1200
cgctgcactc	cagcctaggc	aacagagcga	gactctgtct	caaaaaaaaa	aaaaaaaaaa	1260

<210> 123
 <211> 1614
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (28)..(28)
 <223> n equals a,t,g, or c

<400> 123						
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 <212> DNA
 <213> Homo sapiens

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 <211> 746
 <212> DNA
 <213> Homo sapiens

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gccagaagat	caccattgct gactgtggac agctcttata agtttgactt gtgttttatc 540
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aacaaaataa	aaaaaaaaa aaaaaa 746

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 <211> 1647
 <212> DNA
 <213> Homo sapiens

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 aagaaaggcc caagagcgag acaagaagaa tggagaaggg ggcagccaag aagaacttct 180
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<210> 127
 <211> 1533
 <212> DNA
 <213> Homo sapiens

<400> 127
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 ggtggacaga tcgcgctcgg gtctcggcct cctgagtgcc ggtgactgag ggaggcgacg 240
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 caagtatgtt gattactcaa ggattaatta gtaaaggaaat actttcaagt catcccaaatt 540
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<210> 128
 <211> 1778
 <212> DNA
 <213> Homo sapiens

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<210> 129
 <211> 871
 <212> DNA
 <213> Homo sapiens

<400> 129						
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tcctccatta	ctctattgat	acaatattgt	gcattgctagt	gttgatattc	tatacagtag	300
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 <211> 1437
 <212> DNA
 <213> Homo sapiens

<400> 130						
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 <211> 1153
 <212> DNA
 <213> Homo sapiens

<400> 131						
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 <211> 990
 <212> DNA
 <213> Homo sapiens

<400> 132						
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<210> 133
 <211> 866
 <212> DNA
 <213> Homo sapiens

<400> 133						
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ctcgtcatct	cggcccttgt	ccacactctc	caagcacatt	acaggggacc	tgattgctac	600
acgttcagaa	tgcgtttgct	gtcatcctgc	ttggcctggc	caggcctggc	acagccttgg	660
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tgaaaaaaaa aaaaaaaaaa aaaaaa 866

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<210> 134
<211> 1280
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (1137)..(1137)
<223> n equals a,t,g, or c

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<400> 134
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<210> 135
<211> 1275
<212> DNA
<213> Homo sapiens

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<400> 135
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gcatattcag ctttgccttt ttatttcaga tactgaatat ctttggcaa tttcagatat 720
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gtgtgttggt	gtgcacccgt	agtcctggct	agctactcca	gaggctgagg	tggatcactt	960
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<210> 136
 <211> 1157
 <212> DNA
 <213> Homo sapiens

<400> 136						
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<210> 137
 <211> 1885
 <212> DNA
 <213> Homo sapiens

<400> 137						
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<210> 138
 <211> 1031
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1024)..(1024)
 <223> n equals a,t,g, or c

<400> 138						
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<210> 139
 <211> 779
 <212> DNA
 <213> Homo sapiens

<400> 139						
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<210> 140
 <211> 3115
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (519)..(519)
 <223> n equals a,t,g, or c

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 <221> misc_feature
 <222> (558)..(558)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (2101)..(2101)
 <223> n equals a,t,g, or c

<400> 140						
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<211> 1419

<212> DNA

<213> Homo sapiens

<400> 141

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<210> 142
<211> 1941
<212> DNA
<213> Homo sapiens

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<223> n equals a,t,g, or c

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<223> n equals a,t,g, or c

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<220>
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<223> n equals a,t,g, or c

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<220>
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<222> (1938)..(1938)
<223> n equals a,t,g, or c

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<400> 142
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<210> 143
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 <212> DNA
 <213> Homo sapiens

<400> 143						
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tattgtaaat	aaccttggct	tatttcactt	ttagacttgg	ggttctattt	tgctttaaaa	480
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 <212> DNA
 <213> Homo sapiens

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<210> 145
 <211> 1001
 <212> DNA
 <213> Homo sapiens

<400> 145						
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ttgcttcttc	ttatgctatt	accacactgt	cttaattact	atattttatt	aacaaatctc	240
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<210> 146
 <211> 1378
 <212> DNA
 <213> Homo sapiens

<400> 146						
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 <211> 1316
 <212> DNA
 <213> Homo sapiens

<400> 147						
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<210> 148
 <211> 1738
 <212> DNA
 <213> Homo sapiens

<400> 148						
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<210> 149
 <211> 528
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (106)..(106)
 <223> n equals a,t,g, or c

<400> 149						
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<210> 150
 <211> 778
 <212> DNA
 <213> Homo sapiens

<400> 150						
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gaaatatatt	caatccactt	aaatatattc	catcttttta	acataaaaatg	taaagcttag	420
cacccatcat	taatttatgt	ctctgtttta	tccagtgggt	aaaaaaggat	tctgcctctt	480
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ctatttatag	caaatttcta	gatcattaga	aaagcactgg	tagttgtaca	atatcagtg	600
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tttaacctag	ttgtctctaa	aagttttgta	atcatgagtt	agatatatgt	catctcctat	720
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<210> 151
 <211> 594
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (587)..(587)
 <223> n equals a,t,g, or c

<400> 151
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 tcacattgtt ggcttctgtc tgttgccagc ttcatttctca ttctttctat ccttgatgt 240
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<210> 152
 <211> 1589
 <212> DNA
 <213> Homo sapiens

<400> 152
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 aaaaaaaaaa aaaaaaaaaa aaaaaaa 1589

<210> 153
 <211> 1302
 <212> DNA
 <213> Homo sapiens

<400> 153

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gttataaagt	caaagaactg	ctgttttaga	tgaggtttat	ttttattttt	gatattattc	360
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agtttgtatt	tggggcatga	aaaactactg	aaagaagaaa	agtgtctacg	atactacatt	720
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ttttagaact	ttttaaaatt	tcgagcccac	aaatctattg	tattagtgtc	cttctataac	1260
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<210> 154

<211> 1547

<212> DNA

<213> Homo sapiens

<400> 154

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cctcccctac	acccttccta	ttctttttca	ttcttcttgc	agttctggga	gtaaagctcc	360
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 <211> 2632
 <212> DNA
 <213> Homo sapiens

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<210> 156
 <211> 1816
 <212> DNA
 <213> Homo sapiens

<400> 156

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 <211> 575
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 <213> Homo sapiens

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 <211> 1584
 <212> DNA
 <213> Homo sapiens

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<211> 1838

<212> DNA

<213> Homo sapiens

<400> 159

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 <212> DNA
 <213> Homo sapiens

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 <212> DNA
 <213> Homo sapiens

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 <211> 531
 <212> DNA
 <213> Homo sapiens

<400> 162						
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 <212> DNA
 <213> Homo sapiens

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 <211> 1058
 <212> DNA
 <213> Homo sapiens

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<210> 165

<211> 665

<212> DNA

<213> Homo sapiens

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<400> 165
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<210> 166

<211> 1017

<212> DNA

<213> Homo sapiens

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<400> 166
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gtaatgaagg	ggagtgtcca	gtggaaggat	ttttaaaatt	atcttatgga	tagctcaagt	2400
ctctgccatt	tgtaattttt	ggctctaagc	tccgattgga	gacgcttctc	cttgtgcatg	2460
tgagttgact	gatgtttgtg	gtgtaaagtc	atttggttat	ttctggtatc	ggtggccact	2520
tggatggatt	tttttacatt	ctgttcccca	gttacaggaa	ggagtccttt	tgggtgtgtg	2580
atatgtgtgc	ctgtagaggg	tggggcaggg	tgggggtggg	atggaaatgt	gtggcatgca	2640
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acatagggga	tgtcagtttc	ctatggaaga	gacacctctg	acccgttatt	cttataatca	2760
aaatctgaag	ggaaaaaaat	gttttagttc	tttccccact	cgttgggttc	aactagatta	2820
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aaaaaa						2886

<210> 168
 <211> 1298
 <212> DNA
 <213> Homo sapiens

<400> 168						
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tgaagaagaa	gagaaaatcc	cctgggggtgg	cagcagcagt	agcgggaagac	ggaggcctca	360
aaaagtgtaa	aatctccagc	tattgcagat	cccaaccccc	tgctagacta	ataagtggag	420
aggaacattt	ttcaagcaag	aagtgcctgg	cttgggtttta	tgaatatgca	ggtcctgatg	480
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aatattatta	tgttagtttt	agcgtggaaa	ttggaggctg	aaacatgggg	atTTTTtacc	600
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ctttttttta	aggaggtttt	tcttggttaca	tgtgatgggc	attgagccac	acctcttctt	1200
agactgaata	ttgaagtttt	tgttttgagt	tatgtttata	acatttattt	cagaacaata	1260
aagattcaga	tttgtgacaa	aaaaaaaaaa	aaaaaaaaaa			1298

<210> 169
 <211> 989
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (338)..(338)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (352)..(352)
 <223> n equals a,t,g, or c

<400> 169						
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ttgccgaggg	aggaaagccc	accggtggag	tgggcagagg	ggttggtgtg	tggacttctg	120
gagcctcagg	aggaagggtg	cgggttcccc	tggctgcaga	cgcccttgag	gctgccctgc	180
ctcccccagg	agagaccttc	ctgccctact	acacggggccg	cgccattgat	ggcatcgta	240
tccagaaaag	catgggatca	gttcagcacg	gctgttcgtc	atcgggtgcc	tgctggccat	300
tggcaggtag	ctgggtcaac	ccccacgccc	tgccccgnaa	accccagacct	gnaaccaggg	360
aaggaaaagg	aggggcctgt	ttcctaagga	agacaagggg	ccaggaggagc	cctggaaatg	420
cccctggtgg	gcctgtccct	cagctggtca	ccctgggaac	cggcttccac	actgtcttag	480
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gtccccctttg	ccctcacctt	gaggggggct	cccactggg	atgaggggga	ccccgcaggg	720
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ccccgtggca	aagaaacagt	cagtcctctt	cagggtgtctt	ctggatttct	ggtgatggac	900
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tgaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa				989

<210> 170
 <211> 879
 <212> DNA
 <213> Homo sapiens

<400> 170						
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agtatcagaa	aatgttagaa	ccaccaccct	cagccaagcc	cttcaccatt	gatgtggaca	120
agaagttaga	agagggccag	aagaatataa	ggctgttgcg	gacagagctt	cagaaacttg	180
gtgagtctct	ccaatcagca	gagagagctt	gttgccacag	cactggggca	ggaaaaacttc	240
gtcaagcctt	gaccacttgt	gatgacatct	taatcaaaca	ggaccagact	ctggctgaac	300
tgcagaacaa	catggtgcta	gtgaaactgg	accttcggaa	gaaggcagca	tgtattgctg	360
agcagtatca	tactgtgttg	aaactccaag	gccaggtttc	tgccaaaaaag	cgccttggtg	420
ccaaccagga	aatcagcaa	ccaaaccaac	aaccaccagg	gaagaaacca	ttccttcgaa	480
atttacttcc	ccgaacacca	acctgccaaa	gctcaacaga	ctgcagccct	tatgcccgga	540
tcctacgtc	acggcggtcc	cctttactca	aatctggggc	ttttggcaaa	aagtactaag	600
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<210> 171
 <211> 1919
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1903)..(1903)
 <223> n equals a,t,g, or c

<400> 171						
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agccaagaat	aaaggcaata	aatattttta	agcaggaaaa	tatgaacaag	ctatttcagt	180
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tcaaaaacaga	gctgtctgct	ttgaacagtt	gcaaaaatgg	aaagaagtgg	cacaagactg	300
tacaaaagct	gttgaactta	atcccaaata	tgtgaaagct	ctcttttagac	gtgcaaaagc	360
ccatgagaag	ctagacaata	agaagggaatg	tttagaagat	gtcactgctg	tgtgtatatt	420

agaagggttc	caaaatcaac	aaagcatgct	gtagccgat	aaagttctta	aatccttgg	480
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tatcaaactt	tacttcagtt	ctttcacgga	tgatatcatt	tcccagcca	tgcttaaagg	600
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tggtacttta	aaggccaac	agtatatgga	agaagaaaac	tacgataaaa	tcataagtga	720
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ccctgtgcaa	caaaagatta	gaacatgtta	aagggtttt	taaataaagt	tgcaaagagt	1860
acaaatgata	attggccatg	caaataaaaa	aaaaaaaaa	aanaaaaaag	ggcggccgc	1919

<210> 172
 <211> 1181
 <212> DNA
 <213> Homo sapiens

<400> 172						
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agatttctat	tcttttttag	tctgtatcta	aatgaccata	tattttaatt	ccaaatactt	540
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aaatataagg	cttttttttag	ctcctgaaaag	ctatattata	gtcatatagt	tttattatag	660
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gaccatcctg	gctaccacgg	tgaaaccccg	tctctactaa	atatagaaaa	aattagccgg	1020
gcatagtgg	gggtgcctgt	attccagctg	actcgagagg	ctgaggcagg	agaatggcgt	1080
gaacccagtg	ggcgagcctt	gcagtggacc	gagatggcac	cactgcacta	tagcctgggc	1140
gacaggggtga	gactctgtct	caaaaaaaaa	aaaaaaaaa	a		1181

<210> 173
 <211> 1801
 <212> DNA
 <213> Homo sapiens

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<400> 173
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tgatcctccc acctcagcct cccægtagc tgggattaca ggcatgcacc actatgttcg      180
gctactttta aaaatttttt tgtcagagcg acatctcatt atattgcccc agctgggtctc      240
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tggaaccacca tgcccagccc cacagccaaa cttcttgaaa gaatgggtcta tattaactat      360
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accgaagaga ctggagtata attattttct aatggatctg ttctatccag gtcataattta      1260
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agatgggctc gagagtcttg ctgagccagg acttgagtg ctcgaagttt tcaatgatca      1740
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c                                                                1801

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<210> 174
<211> 2007
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (1991)..(1992)
<223> n equals a,t,g, or c

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<400> 174
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cccccgccca gatgcctcgt cgtctgggac cccatgcttg cccaggtcc cttgggccac      180
atactaatacc ccctctggag accttgaggg aggtaaagatt ggaattagc aatacctgaa      240
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accocagact tggtgcaagc tattccctct gcctacaaca ctcttcttct ccatgtttac      360
ccamctcata accactgatc ctttaggcct cagcttttct caacccccat gcagccattc      420
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ttagggaccc agggatatcaa gggctccgca attaactttg acacwtgggt tccaagatcg      540
ccctgaccct gaatrtrcca aggccagaca ggagaagagc gaaattggag ggctgtgtga      600
gaggcathtt ggattgggac tggaggtagg gaacatccct ttagccttca ttccactgc      660
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gtcagctgtg	tttccagggg	gacaaaggaa	caggtttgtg	aatcatcatg	gtctgaagtt	780
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agctacttgg	gaggctgagg	cacaagcatt	acctgaacct	ggaggcaga	ggttgagctg	1920
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gaaaaaaaaa	nnaaaaaggg	cggccgc				2007

<210> 175
 <211> 1049
 <212> DNA
 <213> Homo sapiens

<400> 175						
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tgtcagagca	agaccctgtc	tcaaaaaaga	aaaaaaaaaa	aaaaaaactc	gaggggggggc	1020
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<210> 176
 <211> 1098
 <212> DNA
 <213> Homo sapiens

<400> 176						
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atgaggcttt	ctgtggcggc	gtagtgtttg	gaattagaag	gtaattcagt	agagtgtaac	180

ttagagaata	ttgcaagtga	cacattgaat	cctgcccgtc	agggaccttt	tcctcagagc	240
aatccggcca	cacgaataga	aggctgtcgt	gaatcacatc	agatgtaaaa	tcatttccttc	300
tgtttactct	tttaattttc	atccttttgca	ggtagtgcga	attcaacttc	aaatatggtg	360
taggttttgc	tagattccat	atTTTTTtct	tggatttttg	ctaattattt	ttagcaaaaa	420
atTTTTgtc	agtggcacc	tccctagtgt	ccatgggtta	gggccatgct	ggggaaaacg	480
ggccggtatt	tacacacgcg	caaaacaccc	agagacggca	caaggagggt	gaactcatgt	540
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ttccggtcat	tatttcgttt	gcatgatgta	ttgcttcttc	acgttttggt	tttattgagc	660
acggagtaga	attccagggc	tgccttgact	tcttcctgc	atgctccctc	ccagtgactt	720
tccttccctt	tcacatgagg	atctgccgtt	catgttgctt	tctcctttgt	cctcttggac	780
ttgagggcat	tgtgaaaagc	tttgcgtgta	tttaaaaatg	ccagcaattt	taatctagca	840
gtgttgaagc	tgggaatttt	ttggcgcaat	ccatgtagca	gtgaccagc	cttgggagcc	900
agaaacaagt	gtgacctggg	atTTTattta	acacaactgt	tgccaaagag	ttggtttgt	960
ttatttggtt	ttggcgggga	gaggagtggg	atTTgatgct	ttctgtggac	aatgtaaccc	1020
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aaaaaaaaaa	aaaaaaaa					1098

<210> 177
 <211> 652
 <212> DNA
 <213> Homo sapiens

<400> 177	
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tgtgcttgta	tatcgattag ctgtgtcact tttaaataag aagtccacac aagcaagcca 120
aatTTTTtaga	tgacgaagtc cataaataac tagagaattt ttgttatctg ttgttagtt 180
gaaatgtata	atcattttatc actaaattgc acattgcctt tatttatttg tgctctgttt 240
ttggtttaca	gtgtaataat acctcattta aaaaataaaa accactactg ttacatttta 300
ttaatTTTaaa	aagctagaaa attcatgtag ttactTTTTt tacatatata atctgttaat 360
gaattattga	TTTTTgtatc tgccacagta aattaaagca ttacacagta tttatcagta 420
TTTTTTaaac	atcctgtcct TTTTTaaaat ctttgcttag tcagtcatat tttgtctgt 480
atgattagaa	gtTTTTtacgt ccttcccttt ttgtacaaat ctgtattgta ttaatttctg 540
gatgcaattt	ttcaaataat aaaattatac agtcagtcag gcttcagtttatttttgaa 600
cacttgggca	attaattaaa gccatatgtt taaaataaaa aaaaaaaaaa aa 652

<210> 178
 <211> 1815
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1115)..(1115)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (1119)..(1119)
 <223> n equals a,t,g, or c

<400> 178	
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tctgaatctg	tcctactcta aatactaccg gagtctcttt gtaggtggc cagtatatgt 120
tttttagtgaa	atattatttc acaaagaact atatcacgtaccttctct gactgtttcc 180
tgccatatat	gcatgaatat ggccattatt gaactatcac ttcagtaaaag aagttaaaca 240
gtactTTTTct	gaggtttttc agctacctct gggtcattct gtaatgtaaa tgttgtaaat 300
aagaatgggt	tttacataaa ttatgcaaag gttaacaagc agtaacactg cactcctcaa 360

aaagtggcgg	tatgtaatga	aaggcccttt	tgatatacctt	gatttttcat	tgtgtatctg	420
kttgggcacg	gtctatgtaa	cactagttct	gcgtattagt	atcttagagt	atctctgcct	480
cccttgccct	gttgtttctt	ttgccccctt	ggaacacatt	ggtcagcagt	tctaagagac	540
actgcccaca	tgatggccat	tccctacttc	atcctgtctg	agctaaattt	tatatatttg	600
tgcatccttc	tcccagatga	cttaggtggt	aagtccagat	tagtcaaagc	taatcatgga	660
agttccattt	taatgattct	gttgggggtga	acttgggagc	aatgagatgt	ttgggaagta	720
ttgtgtagta	cttctgggaa	agatctcctt	gataacaacat	tgatcatgaca	tgagaagaga	780
ctctgctggg	ctttttcatg	tctgtaacat	ggtattggct	tatcgttttt	atctctgaag	840
ggcagtagcc	tgaagataac	agtgcacaag	gtgggaaaag	ccagctcaga	ggtgacgttg	900
ccgagctact	ctgctctcta	tacctgttct	ctactgggac	tttttataac	cctcaataac	960
tgttttttat	ttggctcttag	ggctgtctga	tacttagagc	tgaaggcatt	ccagctgaca	1020
cagaggaata	tttttctaag	tgttaatggt	ctatatggta	attaggggga	agaattattt	1080
cttttcacaa	gttaatatag	ggatggctgt	ttgtntcanc	catggttctt	tctggtggaa	1140
aacagaattc	tccaactaaa	aatattttaa	tggcagactg	attacagtgg	tgtgggccag	1200
aaacaaggga	cagtgaataa	cccagagact	tgtatcagca	ggaagccatt	gccattctga	1260
gccttgaagg	gcaaggaggg	aaacagtgtt	accagagccc	agtaagaact	gctgtcatga	1320
aggagggggc	accttgtaag	agacatcatt	actaccagaa	ctgtggtgcc	aaattgctgg	1380
tgtctctctt	tggagaaaac	aaacagatac	atctgctgga	gagcccaggt	gggcacagag	1440
aagggtggag	agagaatctg	ggaagagaaa	tggagaataa	gcagcacagt	gttattcatt	1500
tctgtaaatt	cctatgtaga	aggctcagt	ttagaataaa	agttattcta	ctagttgcaa	1560
gttaagtgtt	tctgtttgtt	ctgctttcct	gttagcataa	gtaaactccc	tttgaacta	1620
cacaggtatg	tctctccttc	aacatgtgtg	aagcagacat	tatattaaat	tacattattc	1680
atacctccct	gtggtgtttc	ttattgtatg	tgggtgaagg	taagcagctc	tgtattcttc	1740
caaataaata	gccagttgtc	cctgmaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	1800
aaaaaaaggg	cggcc					1815

<210> 179

<211> 1488

<212> DNA

<213> Homo sapiens

<400> 179

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ctgagggtcc	ttttctccc	ctcccaggag	gaacgagaat	gaatatgact	cagcccggg	120
ttctggtggc	tgcaagtgtg	gggttggtgg	ctgtcctgct	ctacgcctcc	atccacaaga	180
ttgaggaggg	ccatctggct	gtgtactaca	ggggaggagc	tttactaact	agccccagtg	240
gaccaggcta	tcatatcatg	ttgcctttca	ttactacgtt	cagatctgtg	cagacaaacac	300
tacaaactga	tgaagttaaa	aatgtgcctt	gtggaacaag	tgggtggggc	atgatctata	360
ttgaccgaat	agaagtgggt	aatatgtttg	ctccttatgc	agtgtttgat	atcgtgagga	420
actatactgc	agattatgac	aagaccttaa	tcttcaataa	aatccaccat	gagctgaacc	480
agttctgcag	tgcccacaca	cttcaggaag	tttaccattga	attgtttgt	caaatagatg	540
aaaacctgaa	gcaagctctg	cagaaaagact	taaacctcat	ggccccaggt	ctcactatac	600
aggctgtgcg	tgttacaaaa	cccaaaatcc	cagaagccat	aagaagaaat	tttgagttaa	660
tggaggctga	gaagacaaaa	ctccttatag	ctgcacagaa	acaaaagggt	gtggaaaaag	720
aagctgagac	agagaggaaa	aaggcagtta	tagaagcaga	gaagattgca	caagtggcaa	780
aaattcggtt	tcagcagaaa	gtgatggaaa	aagaaactga	aaagcgcatt	tctgaaatcg	840
aagatgctgc	attcctggcc	cgagagaaaag	cgaaagcaga	tgctgaatat	tatgctgcac	900
acaaatatgc	cacctcaaac	aagcacaagt	tgaccccgga	aattctggag	ctcaaaaagt	960
accaggccat	tgcttctaac	agtaagatct	attttggcag	caacatccct	aacatgttcg	1020
tggactcctc	atgtgctttg	aaatatctcag	atattaggac	tggagagaaa	agctcactcc	1080
cctctaagga	ggctcttgaa	ccctctggag	agaacgtcat	ccaaaacaaa	gagagcacag	1140
gttgatgcaa	gaggtggaaa	tgttctccat	atcaagatgt	ggcccaaggg	gttaagtggg	1200
aacaatcatt	atacggactc	ttcagattta	cagagaactt	acacttcac	tgttccacct	1260
ctcctgcgat	agtcctgggt	gtccactga	ttggaggata	gagcagctg	tctgacacac	1320
aaatggtcct	ttcagccaca	gtcttatcaa	gtatccata	tgtattcctt	tctaaactgc	1380
tactcatgaa	tgaggaaagt	ctgatgctaa	gatactgcct	gcactggaat	gttaaacact	1440
aaatatataa	caagctgtgt	tttcctaagc	tgaaaaaaaaa	aaaaaaaaa		1488

<210> 180
 <211> 721
 <212> DNA
 <213> Homo sapiens

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<400> 180
cggccgtgtc acagctggga atgatgaggt ggrggctgct gctcaggctg caggcatcca.   60
tgatgccatt atggcttttc ctgaagggtta caggacacag gtgggcgagc ggggactgaa   120
gctgagcggc ggggagaagc agcgcgtcgc cattgccgc accatcctca aggctccggg   180
catcattctg ctggatgagg caacgtcagc gctggaaca tctaatagaga gggccatcca   240
ggcttctctg gccaaagtct gtgccaaccg caccaccatc gtagtggcac acaggctctc   300
aactgtggtc aatgctgacc agatcctcgt catcaaggat ggctgcatcg tggagagggg   360
acgacacgag gctctgttgt cccgagggtg ggtgtatgct gacatgtggc agctgcagca   420
gggacaggaa gaaacctctg aagacactaa gcctcagacc atggaacggg gacaaaagtt   480
tggccacttc cctctcaaaag actaaccag aaggaataa gatgtgtctc ctttccttgg   540
cttatttcat cctggtcttg gggatatgtg ctagctatgg taagggaag ggacctttcc   600
gaaaaacatc ttttggggaa ataaaaatgt gactgtgmr aaaaaaaaaa aaaaaaaaaa   660
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa   720
a                                                    721
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<210> 181
 <211> 1842
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1134)..(1134)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (1210)..(1210)
 <223> n equals a,t,g, or c

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<400> 181
aattcggcag agtttgggtc tcagctgcc a cctcccttcc ttggatgctg tcccaaccac   60
cccattccaa aagagggtat gcttgtgat tctctatcac tgggccaaat ctgcctgttg   120
cctagtgtct ctagcccttt ctatattaat tcatttcatt atttcagccc tgtctcctcc   180
actaggatat aagctgcacg agagatgggc tatgtctctt actcactgtt gggcctccca   240
ggacctcagc acagggcctg acacacagta rgtgggttaa tagatactga tgaatgaaa   300
gaacaagggt ggtactaaaa tccccctttt aaagaggagg cttggagtta tgaggttgta   360
cgagcaaagc ttattcccta actaccacag tccccccctt gcagccaggg ccgggatcat   420
accacaattc cctgcccatac aagctgtcat gaatagccct aagatatcag gaagcacaaa   480
gatatcaatg ccaggaggga taggaggagg cggccaagaa accccggaat tgtacttaaa   540
awtctggcta cgcaaactgc ttgcccaact ttagacacca tgatgaatga tcagggtgctg   600
caaccatgaa acatgacgta attagtgtct cactcttggc tgggggttgg cttggaggcc   660
ccacctcgag gttagcctcc cccagagggt cactgcacga rgcagttgg tgcggggtgg   720
gggttacaa acagggagggt ggaatcagac cactcggcag ccctgtgacc attatgtgca   780
cttttataca aaggatacaa aagacaccaa tactggggaa tttatttaag aatacttcta   840
ggatgtgtcc tgtgatgcct cagggtctatg tcccacattt tcttaaatct atagtctgtg   900
gtaataagar agartatttg aaagattagt caattaattg gtctaacaaa aagaattcta   960
tttctgcagc cccaggagtg gaagaaagag ccagaactct gtggtgcagg gcttttagact   1020
tgcttcaggt cttctttccc ctgggtcttc tggatcttgc tgccctggcc atgaaagga   1080
aaggataaag gaagtttgtt cccttaagac cttgtgctgc ctgtgctat ctgnttctgg   1140
ccaacctgaa tttgagaacg cttcttcagt ttgcatctgt gtgaccttgg gcaagatagg   1200
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aactgtctgn	atctgtctct	tcagctaccc	accttgtaaa	gcagttggg	accatagagt	1260
agctgtgkc	acagtggggt	attctcttac	catcaatatg	gctggcatag	tcattctact	1320
tctcctttac	ttggggccct	gcctaggcca	ctcagcctcc	ccagagcagg	ccccctctca	1380
gtcccaaggc	ctcctaggcc	taggtgtctg	ccctagctgg	agaaaggcac	aagaagaaaa	1440
caccagtcaa	tgggagaaaa	gtccccagg	ccagtcttcc	acctagagcc	cctccccctt	1500
ctcaccacaa	agrttgcttc	actgagggcg	gggcgagt	gctcacgcct	gtaatyttaa	1560
caytttggga	ggccaagaca	ggcgatcact	tgaggtcagg	agttcaagac	catcctgacc	1620
aacatggcaa	aaccccgctt	tcattaaaaa	tgcaaaaatt	agccaggcat	gatggtacac	1680
acctgtagtc	ccagctattg	gggaggctga	agcaggagaa	tcgcttgaac	ccaggagggtg	1740
gaggttgacg	tgagtcgaga	ttgcgccact	gcactccagc	ctgggtgaca	gaatgagact	1800
ctgtctcaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaactcgt	ag		1842

<210> 182
 <211> 1427
 <212> DNA
 <213> Homo sapiens

<400> 182						
gaacatttca	agtagcctcc	ctctatgttc	ctttctttt	taaatatatt	gataatccta	60
ctgcagggaa	tttgggagcc	atacttggtc	ttcgcatgca	acgtaattag	atataactat	120
actatgtgaa	tatgactaaa	gaaatgaaaa	tgaaaacagt	atcttgtgct	ctgtaacgat	180
tggtattaaa	tatatcatag	aaatgagaag	agtaggctca	ggagctgaac	tgcttagttc	240
aaaaggccaa	atttactact	ttttgttccg	tgattgaatt	tggtgtgctc	ctgtttcctt	300
agttgtaaaa	cagagataac	aataggacgt	gcccataagc	ttttcatgag	gattaaatga	360
gttaatgtgt	ttggtgggga	ccagggtggac	atgggtactgg	tagggcccta	tttgacattg	420
gctttaagta	tcattggctt	taagtgcac	agtagatata	tgatgacaat	aattgtatta	480
tcattggtgat	atggatttct	tataaatact	tgtattatgt	tagtcacttc	tagaaaagaa	540
tacatctata	cagtagaata	taattcaaaa	aataatgtca	tatttttgta	aagaaatttt	600
ttgtaaaact	tttcagtctt	caaagagttt	catagacttt	attccattta	tattgagagc	660
ctactttgtg	ttaagcattt	tgctgaacat	tgctctcact	cttatgttac	ttaccatcta	720
ttgggaagag	aaagaagtaa	acaaataatt	acatgtagag	tagtagtgtc	aatggtagag	780
gcatgaacac	aacacagatt	taacactaga	gaaagagtga	tcacaaaaga	aatgatgttt	840
cagttgagtt	ttaaatggca	gctggagttc	atctgaatga	ttaggtgtct	aggacaggtt	900
taaaggttag	ggagtaagga	agataatatt	caaaataaaa	agaacctgag	gatattcaca	960
gaggacattt	gcagaggcct	gaaatagcat	tggtacattc	ctagaacccat	aaatagtttg	1020
atggtaattg	aaattacagt	atgttttgaa	aatcatgga	agatttatac	cacgaagaa	1080
acttcaactt	tattctaaag	ttgatgagca	tttgacagat	tttaagcaag	aaacaaatat	1140
taaattttata	ttttagaaaag	attctagata	cataaaaagc	acttattata	atccagtatc	1200
cattcatgat	aactctcagc	taactggaaa	taaaagggaa	cttccttagt	ctaaggaaga	1260
acatctacat	aaattctaca	accagccaca	tacttaattg	tgaaataatg	aatgtttttc	1320
tcctaagatc	aggaaaaaga	aaaagatgtc	tcctcttact	tctattcagg	atgggtactgg	1380
tagttcaggc	cagtacagct	atgcaaaaaa	aaaaaaaaaa	aactcga		1427

<210> 183
 <211> 1768
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1743)..(1744)
 <223> n equals a,t,g, or c

<400> 183						
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gttaggtatc	aattttgacc	acatctggca	aaaaacacta	acagtattac	atccgttaaa	120
agtagcagat	ggcagcatca	tgaatgaaac	tgatttggca	ggtccaatgg	ttttttgcct	180

tgcttttggga	gccacattgc	tactggctgg	caaaatccag	tttggctatg	tatacgggat	240
cagtgcatt	ggatgtctag	gaatgttttg	tttattaaac	ttaatgagta	tgacaggtgt	300
ttcatttggg	tgtgtggcaa	gtgtccttgg	atattgtctt	ctgccatga	tcctactttc	360
cagctttgca	gtgatatttt	ctttgcaagg	aatggtagga	atcatttctca	ctgctgggat	420
tattggatgg	tgtagttttt	ctgcttccaa	aatattttatt	tctgcattag	ccatggaagg	480
acagcaactt	ttagtagcat	atccttgcg	tttgttatat	ggagtctttg	ccctgatttc	540
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ttgaactctt	aaattggacc	agcaaaactgc	tgcagcgcaa	ctctcatgca	gatttacatt	660
tgactgttgg	agcaatgaaa	gtaaacgtgt	atctcttgtt	cattttttata	gaacttttgc	720
atactrtatt	ggatttacct	gcggtgtgac	tagcttttaa	tgtttgtgtt	tatacagata	780
agaaatgcta	tttctttctg	gttcctgcag	ccattgaaaa	acctttttcc	ttgcaaatta	840
taatgttttt	gatagatttt	tatcaactgt	gggaaaccaa	acacaaagct	gataaccttt	900
cttaaaaacg	acccagtcac	agtaaagaag	acacaagamg	gccgggctg	gtagctcacg	960
cctgtaatcc	cagcactttg	ggaggccgat	gcgggctgat	cacaagggca	ggagatcgag	1020
accatcctgg	ttaacacggg	gaaacccgga	ctctactaaa	actacaaaaa	aaattagctg	1080
ggcgtggtgg	cgggcgctg	tagtcccagc	tactcagrag	gctgaggcag	gagaaaagtg	1140
tgaaccagr	agscggagct	tgcagtgasc	cgatcaca	ccactgcact	ccatccagcc	1200
tgggtgacag	ggtgagactc	tgtctcaaaa	aaaaaaaaaa	aaaaggagac	acaagactta	1260
ctgcaaaaat	atttttccaa	ggatttagga	aagaaaaatt	gccttgtatt	ctcaagtcag	1320
gtaactcaaa	gcaaaaaagt	gatccaaatg	tagagtatga	gtttgcactc	caaaaatttg	1380
acattactgt	aaattatctc	atggaatttt	tgctaaaatt	cagagatacg	ggaagttcac	1440
aatctacctt	attgtagaca	tgaaatgcga	acacttactt	acataattaat	gttaactcaa	1500
ccttagggac	ctggaatggg	tgcattaatg	ctataatcgt	tggatcgcca	catttcccaa	1560
aaataataaa	aaaatcacta	acctttttta	aggaaaatat	ttaaagtttt	acaaaattca	1620
atattgcaat	tatcaatgta	aagtacattt	gaatgcttat	taaaactttc	ccaattaatt	1680
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tcnnaaagag	tttcccttaa	agatccc				1768

<210> 184
 <211> 840
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (789)..(789)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (805)..(805)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (836)..(836)
 <223> n equals a,t,g, or c

<400> 184						60
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gcacacagtc	tgccatccca	tatgcattaa	gagtggaaact	ggaagactgg	aatggcagaa	180
ccagtactgc	agactatgcc	atgttcaagg	tgggacctga	agctgacaagt	accgcctaa	240
catatgccta	cttcgctggg	ggggatgctg	gagatgcctt	tgatggcttt	gattttggcg	300
atgatcctag	tgacaagttt	ttcacatccc	ataatggcat	gcagttcagt	acctgggaca	360
atgacaatga	taagtttgaa	ggcaactgtg	ctgaacagga	tggatctggg	tggtggatga	420
acaagtgtca	cgctggccat	ctcaatggag	tttattacca	aggtggcact	tactcaaaaag	480
catctactcc	taatggttat	gataatggca	ttatttgggc	cacttggaaa	acccggtggt	

attccatgaa	gaaaaccact	atgaagataa	tcccattcaa	cagactcaca	attggagaag	540
gacagcaaca	ccacctgggg	ggagccaaac	aggctggaga	cgttbaaaag	accgtttcaa	600
aagagattta	cttttttaaa	ggactttatc	tgaacagaga	gatataatat	ttttcctatt	660
ggacaatgga	cttgcaaagc	ttcacttcat	tttaagagca	aaagacccca	tggtgaaaac	720
tccataacag	ttttatgctg	atgataatth	atctacatgc	atttcaataa	accttttggt	780
tcctaagana	aaaaaaaaaa	aamwnngggg	gggcccgcac	ccattggcct	tatggngggc	840

<210> 185
 <211> 903
 <212> DNA
 <213> Homo sapiens

<400> 185						60
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 <212> DNA

<213> Homo sapiens

<400> 187

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<211> 1063

<212> DNA

<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

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<212> DNA
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<212> DNA
<213> Homo sapiens

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<211> 1607

<212> DNA

<213> Homo sapiens

<400> 204

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 <213> Homo sapiens

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<210> 207

<211> 1738
 <212> DNA
 <213> Homo sapiens

<400> 207

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 <212> DNA
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<400> 208

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 <213> Homo sapiens

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 <223> n equals a,t,g, or c

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 <223> n equals a,t,g, or c

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<223> n equals a,t,g, or c

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<221> misc_feature

<222> (1858)..(1858)

<223> n equals a,t,g, or c

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<221> misc_feature

<222> (1862)..(1862)

<223> n equals a,t,g, or c

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<221> misc_feature

<222> (1904)..(1904)

<223> n equals a,t,g, or c

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<221> misc_feature

<222> (1913)..(1913)

<223> n equals a,t,g, or c

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<222> (1951)..(1951)

<223> n equals a,t,g, or c

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<221> misc_feature

<222> (1985)..(1985)

<223> n equals a,t,g, or c

<400> 216

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<210> 217

<211> 1351

<212> DNA

<213> Homo sapiens

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<223> n equals a,t,g, or c

<400> 217

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<210> 218

<211> 2288

<212> DNA

<213> Homo sapiens

<400> 218

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aaaaaaaaaa

2710

<210> 221
<211> 489
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (477)..(477)
<223> n equals a,t,g, or c

<400> 221
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aacgtttgta gcgtacctta taattcataa gacattttaa aatgggtattg aatcccaata 240
acctatgctg agggttggat cttgttggtt tccctgtttt ttaatggaaa atctgaggcc 300
tgaagatggt aggccatgta tatgcctgcc ccgcccgtga gcctggctcc tgctgttgga 360
gaaactttcc cagtctgtag agagaggatg tggcctctgg aagcctggt cctgcctgat 420
tctgtatctt ctggtaacac acagccgtca tttaaaaaaa aaaagacaag gtcttttccc 480
tcggacaga 489

<210> 222
<211> 2073
<212> DNA
<213> Homo sapiens

<400> 222
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tggggctgtc agaagagggc agaaggtggg atcaggccta gctggacctg aaccctgctt 180
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cttttaattc	ccatactcag	cttgagtacc	ggaaccaaga	ctagtcgagg	caacatagtg	2040
aacctcattt	ctttaaaaaa	aaaaaaaaaa	aaa			2073

<210> 223
 <211> 1442
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (126)..(126)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (148)..(148)
 <223> n equals a,t,g, or c

<400> 223						
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ctgctncaca	gtctcctgcg	cgcgcattca	acagaggtgg	tctgtaccac	ctgggtggcat	180
cagctaggct	ttggtgccct	ccttccaact	ccctgaaccc	cctccaactgt	tggggagac	240
aggacccagg	ctgttacctt	ccttgtgggt	gagcttctcc	ccccagact	cgtgagtttt	300
gaccgcaggt	cggacgccat	gacgtaacct	ttcttctcct	tgtccaccat	caacatggct	360
agaagaattt	ctttcttttg	gtcttcttgt	tttatttgca	tgtgcataat	ggtcagaaaa	420
gtggagagaa	tccagctctc	catttccgtc	taggaaaccc	gcaaacacag	cagagtgagc	480
agagggaaaa	agactcctag	gaagccagct	ggcctcctgc	tggacctgca	cagccggttc	540
aaggtcaact	gaccagggaa	tgccaggatg	tggcagtggt	cacagtgaag	aggatgcatc	600
ccctcccacc	gagttccac	gacaggcccc	tacttgact	ggacatctt	catttcagca	660
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ccttcccctc	actgcagtct	ccatcccagc	ccctcctcca	cgggcccctg	ctgggatgta	960
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aaccaccgc	caggctgcag	gctttcagag	gcccacctgg	gccagcgtg	gcctgccccca	1140
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ggctccgggt	caagtgctat	tcccagcgga	tgcccttccc	ctgcgccagt	ccctccttcc	1320
tgagtgtcca	gcccccaatg	caaacagcaa	ccccaggctc	tgaactact	ttttttctta	1380
gaaaaagcaa	aacaaaacat	aaaacttggt	tctgattatg	aaaaaaaaaa	aaaaaaaaaa	1440
aa						1442

<210> 224
 <211> 728
 <212> DNA
 <213> Homo sapiens

<400> 224						
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gtgcagaatc	ttggaattgt	ctgaacacag	tagaacgata	caatcctgaa	aataataacct	120
ggactttaat	tgcacccatg	aatgtggcta	ggcgaggagc	tggagtggct	gttcttaatg	180
gaaaactggt	tgtatgtggt	ggctttgatg	gttctcatgc	catcagttgt	gtggaaatgt	240
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ctgggattgc	aactgtaggg	aacaccatth	atgøgtggg	aggattcgat	ggcaatgaat	360
ttctgaatac	ggtggaagtc	tataaccttg	agtcaaata	atggagcccc	tatacaaaga	420
ttttccagtt	ttaacaaatt	taagaccctc	tcaaactaac	aggcttagtg	atgtaattat	480
ggttagtaga	ggtacacttg	tgaataaaga	gggtgggtgg	gtatagatgt	tgctaacagc	540
aacacaaagc	ttttgcatat	tgcatactat	taaacatgct	gtacatactt	tttgggttta	600
tttggaagg	aatgcaaaga	tgaaggtctg	ttttgtgtac	ttttaagact	ttggttattt	660
tacttttttg	aaaagaataa	accaagaatt	gattgggcac	atcaaaaaaa	aaaaaaaaaa	720
aaaaaaaa						728

<210> 225
 <211> 1156
 <212> DNA
 <213> Homo sapiens

<400> 225						
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ctactatgac	agggaagaa	acatggcaac	atgcgcacag	ctcttaaggc	ttgtrctgga	120
ggcggaaacac	atcgcccttg	cagcctggca	ctggccatgg	gacatgggag	gtagggggag	180
gcgtgttcca	gcctatgttg	gccggtgggc	aggtgctcag	actcagcaag	ctccttgggg	240
tcattcatca	cccctccacc	cattcatcct	caaacacctg	cagagggcct	cctctgccag	300
gctgtcaggc	gccaaaggca	cagaaatg	aactgacagt	ccactggggg	agacggctct	360
cgcattggtct	tgccctcagt	gtaaggcaca	agagtgggtgc	aggggggcct	aaccaggccc	420
ccakggtaaa	tacsrgttgg	ggggctgtct	gggggaatgg	ggaagaagag	cattctgggc	480
tgggggtccc	acaggctcaa	cacagctgga	gtkarccaca	acagtgaatc	acgagaaat	540
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cttcaagctg	agggcaggat	tttcagcaca	gatgactgtg	ttctgaaaga	tcctgtggg	660
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cccaaaatcg	gcacga					1156

<210> 226
 <211> 636
 <212> DNA
 <213> Homo sapiens

<400> 226						
ggcacgagta	gcatagtgcc	tgacatatag	cagtttctta	ataaatgaag	tcattggtct	60
attactatta	ttgtactat	tgtgcaataa	taatagacaa	aagcaacgta	gagtgaag	120
tgacagcgcc	tggcctttgc	cctgggggtt	ccccctgtct	gaggaatctg	tggtgctca	180
gctttaagg	tgcaggagg	tggccacatt	cctcaggccc	cagccctggc	ctcaggcatg	240
aggcaacaag	gaaagcaggt	ttaccttcag	ggcaatcctt	gggaaaagaa	taattttagg	300
gacaactaga	aggctccatg	gtctctcaaa	tatctctcct	aaggcctgga	tgctgcctaa	360
aactcatttc	agggtagcca	caccactcat	cctgctagga	cagtaagaaa	gctcaaatac	420
gccaataccc	aggaaagggt	acacagaatg	tgagtatagt	tcaggcaaac	agcataaaat	480
gatatgagat	cttaagagct	gtgacactag	agacttttct	cttttttaa	atttttttat	540
ttccataggt	ttttggggaa	caggtggtgt	ttgtggtgtt	tggttacatg	agtaggttct	600
ttagtggtag	tttgtgagac	tgtggtgcgc	ccatca			636

<210> 227
 <211> 1045
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (607)..(607)
 <223> n equals a,t,g, or c

<400> 227
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 cccaagaagg cagggccctg atgcagggaa acagtcagag atgggagac aggaaagaca 180
 tggaccgggg taagcgccac tgcccgccca agtgtgagtg cctgctgcct tggtttacct 240
 atctggattg tgggcaagtc aaagagagct tggcgccctg ccaccccacc tgactcctcc 300
 aggytcaagc ccaggccaca tgaggcctgt cccaccggtt ctcccatggc acagaccgca 360
 ccccccacat cccacaaagt ctgaatgaga tgcgctctct cttcttttcta ccgtgacgtg 420
 gctgttcctt cccctgcacc tgtgtctcgg gtaacccac gtctctctca cgggccagac 480
 tgggtgtcac caacctggag tggcccccac aaaccccagg ctgggtcagg gacctccatg 540
 gagctcccgc akcccccaa gtgccccaaa cagggtctgt tttgctggca gtgtgagact 600
 gaakgangtc gccctttgca aggcgaagaa tcccctcctt ggagatggca ggccaggggc 660
 cctktcgcga gmatccctga tcagcacggg gctggccac gaggtgggg ttctgcccac 720
 tcccagytct gcacctgcat ctctgagcct cagtttcctc acctgtggga tggggcaatg 780
 gcgtccgccc ctcccaccca ccccccaccg agcccacctg ctgccactta cccagcaggc 840
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 atggacccac cgtggggctg gggagggcgc tggcggcgaa gcgtgccakc aggccakcc 960
 cactctcctc caggcccgtg gacagggccc gctccgggc acccagcctg tagccaccac 1020
 cgctggcctc gtcctcctcc tcgta 1045

<210> 228
 <211> 1425
 <212> DNA
 <213> Homo sapiens

<400> 228
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 gccagggcca cagagagaag agctgcttac acctgaattg tttcaccctt ttcaagaaca 120
 gggttgtcct tctccccatc tggatccttg ggctagatct ctgccgagg gctccgtcaa 180
 gtcccgcgaag gctagagaag ggagccccac atcatttcca ctttcaaaga gggaagatgc 240
 tcgtcattca aattacttct gttgatttcc atggtatccc cctgtccgtc ccacaatctc 300
 ttaccaggcg tcaatgcaca tgcaggggat ggaaagagga tgagccgatg agcagacttt 360
 gcattaatca aggagaaaaga aaaagcagat ggaaggaggt aggtagatgg agaaagcaac 420
 agctcctttt agcccttgat gacggccctg aaggcctgtc tcttttagtg actcctcttt 480
 gggctcctct cccctacctc tcagtacta ggttcctcat attaattccc tgctgtgagt 540
 ttggctcctt gtgctgggca attcagtcac cctcagaaa agcaaagtgt gtcttggaat 600
 taaggtgcag gtggggaaaa agagggactc agctagacac gaagaaaggc tctcttccca 660
 gtctaagccc ttttaccgta aggggcatt tatcaagaca gccacccaac tccccatccc 720
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tctcagatta	gaaaaggcag	aattccttcc	cattctcaaa	tcagcatttg	ggttaggggc	1260
ccctaagtta	cgtgagcatg	ttagaaatgt	gaccccaggc	ctcaagagag	agctctgccc	1320
acatgagagg	agataggaat	catgactgaa	aggggattag	cacagaacag	agaaaactga	1380
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<210> 229
 <211> 1002
 <212> DNA
 <213> Homo sapiens

<400> 229						
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ccgccaccaa	cactgctgct	ggtgtgtgtc	atgctaagtc	ttggcaagcc	actgggtcgc	120
acgtagggca	tgtctccatt	caggccagcc	gcatttcgag	ccacacgtgg	ttcgtggcaa	180
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cagagcgacc	tagcagccgt	gtgtaacaaa	cacgtcactt	gtccctgtgg	agattggccc	960
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<210> 230
 <211> 1103
 <212> DNA
 <213> Homo sapiens

<400> 230						
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gcaaggctcc	taccacctgg	acccgcagta	gccctcctac	tgctccgggg	gagctgcagt	120
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aatgtaccat	agatgactcc	tcctcttcc	cctcctccag	cctggcttgg	agcagctaga	240
tgggcaaaagc	tagaaaagcc	taaaacggga	tgacaggagt	ggtagcatta	gagcctcacc	300
ttgtcacgct	ggccactggg	tggcagggac	cagtttcagc	aaaggcactc	acaccacccc	360
tccaaagtcc	agcctctcct	tctggcaaaa	gctggccaggaa	actggggcc	caggggtgagt	420
gtgtgtgcct	ttgctgaaac	cagccctagg	tcaggctcctg	ctggacagaa	attgctgggt	480
ccaccagggc	tgactcctc	agggagcagg	agtaggagaa	actcaggccc	agccagccct	540
gccccaccaa	gttctgggtc	ccgttcctga	tgcctccacc	cacagtgc	tatcccccca	600
ccccaccac	agtggtgccc	actactccct	gccagtagt	cccagggtgt	ctctgcaaca	660
cagagcatga	gagcatgggc	caggaacca	cgggtgggtgt	gggggcccctg	tcataactcaa	720
gattgtgcaa	ggaggaggag	atcactctct	agagtctgga	attggggaag	aggagaacgg	780
tcccttccct	ggagaccacc	tgaaggagga	aggggccac	tgctgtcact	gccacctccg	840
cagcctgccca	acgccaactag	cagtgtagcc	cctgatagca	cccctaacct	gctgcctgct	900
gcctgccacc	aacagtgtag	cccctggata	gcacacaaa	caaaccgcc	accagctgca	960
gggtgtgtaa	ccccaatatc	ccccccaaag	caccctccct	ccccagagc	aggcagtgtg	1002
gcaccaata	gtgccacaa	cctgaccag	ccatgggtgt	tgctgcacta	gatagcacc	1080
gaaacctgcc	cccccaacc	cac				1103

<210> 231
 <211> 585

<212> DNA
<213> Homo sapiens

<400> 231
ggcacgagga gagaggtaac tcttacatga ggcgcaggg gaaggcagag agggcagaaa 60
aggcctctga gctcacgatt ttgcttggcg gtaggaaagt taaacttata tagcgaattc 120
tctcggtttt caaactcaga ttttaagcttt ggtgagttag attctttgaa actgcccctg 180
caaagtggctc ccgctccctg ctccgcctcc ccacgtcctg cgggggggacg ggacggtggc 240
ggtgctcctg agctgtcctt cttgttatct gttcttgtct gacctgtggc atggtgccgc 300
ccagtgcccg ctttcccagg cagcttcctg gctttgggag cccatatgga gtcaggcttc 360
tcacccagtc cacctgcccc ccttgttggc agctgtccca ctgagcccat ctttcccag 420
cccctccagc ctctgagact tgagccctg ttaagctctc agataatttc tgccatcctt 480
tctgtatccg tgggtcacac acaaattcca ctacagctgt aaggaaaagt cagggctgat 540
ccaagacctt cgttcctcac tcttcaaaga agcctccatg gttat 585

<210> 232
<211> 1047
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (5)..(5)
<223> n equals a,t,g, or c

<400> 232
ggcanagact caggaggctg aagcgagagg atcgcttgag cccaggagtt caaggctgca 60
gcaagctatg attgcaccac tgcactccag cctgggtgac ggcaagacct tgactctaag 120
gaaacaaaaa caaaaacaaa agtgggtata aatatgactg caaaactgct ctgagctgct 180
cctctctgcc tatgcggtag ccctgctctg caggagcggg cacagagcag taatactggc 240
tctctaataa agctgttttc ttctgcctcc ggtttgccct tgaattcttt cttgcacaaa 300
gccaagaacc ctctgaact aagccccact gtggggctta cctgccctgc atgaggtaag 360
tatcaactat ggctcaaaaag gcagggtcaaa ggcagctttt caagtatatt tgtgtcacag 420
aaactccacc tgtaacatca aaaaatgaat gattttttca attcccttta ttagggtttc 480
tttccctgcc cccctcattt ctccacttct ttctcttctc tccgtaggta tatagttata 540
ctctccctc acacactcat ttgtgtatg ttcaaaaata ttttggttat cttttatttc 600
tggttaactgc tttttcatcc tgcattgagca gccaaagaaa gaattaattt agactttctg 660
caatgtcagg gcctctcatt caattactct ccttgtctct tggaagctct ggtaacttag 720
tttaatgacc tctcacacct tacatcctta aaaaatgcc cgtgtgtctc ctggtcggg 780
cagtcttaat tatgttggca gctttagggt tccttattac cagcactcca ggacctcatc 840
cccaccctgt ccccatcttc atcttcaccc agagcttccc atctccccac ctcccttatac 900
gccaatttct gtctgcaatt tatccacgat attcccatgt tttctgctct tactagaaac 960
attattttac ccagcactgc atttttaaac tgaaagaaga tgggtgattat tatgccctta 1020
tcgaaatcca ttacttgaaa agctcga 1047

<210> 233
<211> 1246
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (746)..(746)
<223> n equals a,t,g, or c

<400> 233
ggcacgaggg ccaccaggca catctgctcc actgagctgg tgcagtgcac tgccttgtcc 60

agcaggtggt	ggtactccag	gtcctctgtc	agccgctgga	gcatggacag	gggctcattg	120
aagttcacct	gtgggtggac	aggtgggtgg	tcaggctggg	caccagcccg	gcttggcatg	180
gtgcccttgc	ttttctcga	tgttcaggga	catccctgst	cagacagcac	cttcacagt	240
aggctcctca	gatggccctg	tccaacagt	tggcccca	gccatcacct	ccctggcccc	300
tcctgggctg	ttttctccac	agcccttccc	actttctgg	ctgctgcatc	ctacacactt	360
ttatcatgtt	caactgttgc	ctcctctgct	cggatggaca	cccamaagg	ccaggggttc	420
tgcctggccc	actgctgtat	cttgagtgc	gaatcttagg	aagcagtgc	tgaatgggca	480
catgagtctg	tgggtggagg	aagtgggtct	tccccatgtt	gcgagctgtg	atggggcccg	540
gcacaggatg	ggttaggccc	aakgccccta	tcycggtgtc	acatakggca	gggtcactct	600
ccccaccatg	atgccatcgg	gtacgagtct	cagcttcctc	gtgttatctt	gctccatcct	660
cccagacact	gaagaggacg	ctgtgtttct	ccccacccta	cacatgtgga	cacagaggct	720
ggagatgtga	aggaacttgk	tctggntcac	acagcagaac	cktctggcct	agtggagatg	780
ccatgtatgc	aggtggcatg	aggatccaag	ctctgagcct	gcatttcctg	gggatggcac	840
cagggatggc	tgccagctga	aggaggggccc	acccctccac	acacagcccc	atcytgccac	900
tccccatcta	cagatcggka	cagctgggac	atggtaaggt	cctgtgagat	ccagagggtgc	960
tctggggctc	cccaggttgc	tgatccatgc	agagcttctc	cctggctcct	cctgtcagag	1020
cccaaagatc	cctgtacttt	ggaagattgg	gcaatgccta	tgtgcacgat	tagataatta	1080
gttacatgct	cctcaggtgc	cgttaagaaa	atgacactcc	aaggctgtgt	gtacttcaca	1140
caggccatta	ctgctcatcc	atgcacagga	aagcagcccc	agaggacctg	tcggggctgc	1200
cctgcccagag	ccacccaccg	aaaaaaaaaa	aaaaaactcga			1246

<210> 234
 <211> 1048
 <212> DNA
 <213> Homo sapiens

<400> 234		
tgcaggaatt	cggcacgagc caccacccca gccattatc tctattgatc ctcaactcaa 60	
ccttgcaaaa	taggtagcgt attccagtgg agaaactgag gcacaaagag gtgaaagacc 120	
tttctgtca	cagttaggaa agtggcagaa gccgtatttg aaccccagca ggtctccctc 180	
tgaagtccac	acacgtcagc gcctctgtgt tgtctctttg ccagcacagg gctccctgga 240	
gcccagagat	gggggtggtg acttgaaggg gttggcaagc ctgggctcct ccagcgaaaa 300	
ttcccttggc	cctgggcatt cctaagcgag aaagggtca atcctatttt cttctcctaa 360	
ttggatgcct	tttattcctc cttcctaatt gaagtctggt cattgctggg tgccatggca 420	
gcagccaaag	cgctcatctc actgtggcct gtctctgcct gcggccaatg ggaaacctcc 480	
tttcccatat	acgggtgggga catggagtgt caggctgtcg tattctgggt gctggaggag 540	
gagaggaagt	gagatgggag gaaaaaggcc tgtcctctcc cacgcagaga ctccggacag 600	
caggatgtgt	ggaatcccca gtctgttttc agccaggcag caacagcatc tgtactgagt 660	
tgagtctatg	tgtctaccag tgggctaaga acttcatgtg cagtatctca tttaatcttc 720	
gtgatggccc	caggaagata agggatcag gccagaaaag gctaagtaag ctgccaggtc 780	
atccaaggag	aaaatggcaa agcctggatt tgaacagaga ctccagcttc cttatgtgta 840	
gccatctcac	catgctactt ctcaggggtt tactatgagt gtctctcatg tccccagacc 900	
cagattacag	gtttggagga atacacagcc caccttccca atatcgagg caacagttc 960	
accaaagcc	ctgcatggca tcacagggag cctagttgcc cactgctcta ctgctgagct 1020	
caatgccacc	cagcccgggc tctctcga	1048

<210> 235
 <211> 1178
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (138)..(138)
 <223> n equals a,t,g, or c

<400> 235

gaaagcaggc	tcatttgggg	actgattcaa	gcagggttct	gaagaaagag	ctagcccact	60
gcgcagtggc	ccacctggag	aggtagcagt	ctcctttcct	gatgccagat	ccaagcagag	120
gctaattgctg	gagaccanga	tgcccgtggg	agaatccctg	tagcttagagg	gaatattctg	180
gaagtaattt	atccctgtac	cgccctgtgg	ggttgggtgt	ttcttgccca	ctgcatgagt	240
tggtattact	ctaagagcga	cagatacatg	ttttcacatg	ctttccatgt	actagacact	300
ttctaggcat	cagttctcaa	catgacaaag	agatccttct	cagggaaatc	agatccctct	360
tccactgctg	aaaaaccca	cagtggctcc	catttcactt	ggcataaaca	ccagtggcct	420
tgcagtggct	gccaaaggta	aaccatctgc	ctttctgctt	cctgctcacc	cttttccttc	480
atcttctcay	cttttctgtc	ttctccatag	ctcacactcc	cctagccaca	ctgttctcct	540
tectacaatg	cagcacactg	ggcatgtctc	taccccaggs	cccttgaccag	ccgmacca	600
tctggttgac	atgcttctcc	cacagattct	tgcttggcta	actccgttgt	gctctggttt	660
ttgtcaagca	gtcaccttct	ccatgaggcc	cacctgggcc	accatattta	acactgcagt	720
ctacactgcc	tctcctccca	ccaccagca	ctcccaggcc	ctcactctgc	ttcctttatt	780
ttttccattt	cgccagccat	cttccaacac	atgggaccac	atccttattt	attgagtgtc	840
ttgttgacag	tctctaagac	tgtgcctgcc	ttgttcaactg	atgtatctct	agcgcctaca	900
acagggtcgg	gcacagagta	ggagctcagt	aaatacttgt	ggaatgaatg	aatgagctca	960
ttttacctca	atcacaaactc	caggggtaga	catggtgatt	tcaaccatt	ttatggttga	1020
agctcagaag	cttacggaac	ttgcccagg	tcacatagtt	agtaagtggc	tgagtgcgc	1080
atcaacccaa	agcctgtctt	actctggggt	cctggatctt	aacccaaaca	ctaagctctt	1140
ccctcctcca	ggtgagcccc	tggtcctgat	gcctcgag			1178

<210> 236
 <211> 825
 <212> DNA
 <213> Homo sapiens

tgagggaatt	cggcacgagc	cagagcagcc	ctcaaagcct	gggctgttga	gagtgcacat	60
cctggcctgc	ggtgacagcc	gtcagatggt	gaggggcccc	aggcgactgc	cccagcagca	120
gggcctggga	gctgcacagg	ggagaactcg	ataaggagca	tcatgagcat	agtgggtcca	180
ttgacaacat	gcagtcacca	cggtgggtgcc	taatgacaaa	atgacatcat	gccacctgca	240
aaaaaagtaa	aaatgatcag	aggcgagctt	gtcagagaag	ctttgaacta	ggtgactgca	300
tgaaacatct	cagaggcgga	agagtgcctc	ccccctccccg	ggactccccc	ctgggtgccct	360
gagctcatca	tcccttctct	tgtagcatat	gctgtcaata	cccagggcct	tttcgaaacg	420
gcaatgggtc	cgaaggcctc	gggaccacct	ttcacacctc	ccctttatgc	agtgtccata	480
cctccttggt	gctcagctgc	tggtcagctc	catatgccct	gtgggtccctg	ccctcccaag	540
gcctgtgaac	aaatgcttag	tcccagatta	gagtctacg	caatctggga	tgtgagctga	600
gtggcacctg	tcgtgaacca	ggccagagtc	tacgcaatct	ggggtgtgag	ctgagtggca	660
cctgtcgtga	acgtgcatgc	acatgggcat	tttgtcagtc	tgaccgggtg	aataaatgtc	720
gctgcatttg	ccagctgagt	gtcaccaggt	tccaggtccc	attacacatc	aggaattgtg	780
tccgactctt	ctggatccgc	tgattggacc	tgagggatcc	ctgac		825

<210> 237
 <211> 853
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (20)..(20)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (40)..(40)
 <223> n equals a,t,g, or c

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<400> 237
aattcctaac gcaaaagcan ccctggggaa gaacacagan acaggtgaca cgtgtcagac      60
tgggcccatg tcaggtacat gtatttccct tcacctcacc ctgaaatgtg ccatttcaga      120
aagtggtgca tttaccagac aatttgggtt gatcatcatg ttagccactt ggcatctcag      180
tcaccatctt ggtcacctgg tcaacatagc aaccacatct cttgggtcagc tagctttatt      240
tgcaccttga tcactaagat agatgtcatc tgcaaagctg ttttaataatc ttaataatgg      300
tctttattat ttccagatcc cttagagtaac cttagaacag caagaactat tcattcatcc      360
ataaattcca gcaaggtgct atagaaagca tatggaaaa aagaggaaaa gagagggaga      420
acatatgtga aaagtagaca gggattctgc tactgagaaa ttcaacacct ggcaaggggg      480
atgaacagga aagagaggtg ctggcagaat aaaatcactc cccagctccc cacacaatga      540
gcaatgagta tgctatttct attttgtgtc catgtgtcct tgctcatatt cttaatctgc      600
agcccaatgc tctacctctg agctataccc cctcctcctt gctcatactc ttacttgtga      660
cttgaagtga cttcctgtct ctgcctattg tcacctcccc catgaaggct tccccaatta      720
tcctgaagca gagacagtcc atccctccct cccctgtgca accagggccc ctgggctgac      780
ctcaagcttc tcacacttgg ccataatag ctttttaggta tttatctccc acactagact      840
ctgagctcct cga                                         853

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<210> 238

<211> 621

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (616)..(616)

<223> n equals a,t,g, or c

```

<400> 238
attcggcacg agggaggaaa gaggggtgaa tctggacagt atgaaggatt tgtattgtac      60
ctgtaatgtt tgatgtctga agctgggtgg tgggcatggc tgtttgttat tctccatcct      120
tttggtatgc ctgatacatt tcataataat tttaaaaagg acaagactac tgcagagaaa      180
tgcatagagt gagctctggt tgggttttta aaatgattcc tacatctatg cttgcagatg      240
taagcaccag ccctggaaaa cattgcaagg gattcttagt aggcccaagc tttgggaaag      300
ggccaagggg gctggggagt tgattaggag gggatacatg ctttttctctg ctgccttttg      360
aattttgtac cacacgtagt attacttatt aattaaaaaa taatctgaac tagcaggcg      420
tggtggcaca tacctagtct cagttacttg gaaggctgag gcaggaggat cacttgagcc      480
caggtgggtt cggccagcct gggcaacata gtgagaccct gtctcttttag aaaaaacagg      540
ccaggcatgg tggctcacac ctgtaatccc agcacttttg gaggctgagg tgggtggatc      600
acctgaggtc gggagntcga g                                         621

```

<210> 239

<211> 903

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (18)..(18)

<223> n equals a,t,g, or c

<220>

<221> misc_feature

<222> (27)..(27)

<223> n equals a,t,g, or c

<220>

<221> misc_feature

<222> (56)..(56)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (94)..(94)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (889)..(889)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (898)..(898)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (900)..(900)
 <223> n equals a,t,g, or c

<400> 239
 tgttaccggt tcgccggnag ccggaancgg accgaaccgc aagcgaattc attgancgag 60
 gaaccggaag gagcgcccaa atacgcaaac cgcntctcc ccgcgcgttg ccgattcatt 120
 aatgcagctg gcacgacagg ttccccgact ggaaagcggg cagtgcgcgc aacgcaatta 180
 atgtgagtta gctcactcat taggcacccc aggcctttaca ctttatgctt ccggctcgta 240
 tgttgtgtgg aattgtgagc ggataacaat ttcacacagg aaacagctat gacctgatt 300
 acgccaagct cgaaattaac cctcactaaa gggaacaaaa gctggagctc caccgcggtg 360
 gcggccgctc tagaactagt ggatcccccg ggctgcagga attcggcacg agacgacacg 420
 ataaataaaa gcagatgttc aaatgggaga cacctgaaga gacaagttag tccaatggat 480
 aggagcgaag gaaactgccc ctttgtaaag atgaggaaa agagtgtaaa attatgctct 540
 cattacactc atgctgttac taaggcctac agagagaagg tattgagagg tgacaacatg 600
 ctggcagccc tcgcttgctc ttggcgctc ctcagcctcg gtgccactc tggccgtgct 660
 tgaggagccc ttcagcccg cgtttcactg tgggagtccc tctctgggct ggccgaggtc 720
 aaagccagct cctctgctt gcaggagggt gtggaggagg aggtgcgggc aggaactggg 780
 gctgcgcgcg gcacttgtag gccagctcga rggggggccc ggtacccaat tcgccctata 840
 gtgagtagta ttacaattca ctggccgctc ttttacaacg tcgtgactng gaaaaccngn 900
 aaa 903

<210> 240
 <211> 909
 <212> DNA
 <213> Homo sapiens

<400> 240
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 ttgtattgtt ttccataatg gctacaccaa tttacattct cattaacagt gcaaaagggt 120
 ttttgtttct ctataccttg ccaacttgtt atctattgac tttttgataa taggctttgc 180
 atttgccctga tgattaatga tattgaacac attttcatat acctgttggc cactttttat 240
 gtcttctttt gggaaatgtt tgtttattct ggtacttggc ctatttttta attgggtttt 300
 tgtttttttt tttgctattg attttcttaa atttttggat agtaacctgt tatcagatat 360
 gtggttcaca aatattttct cctactctgt agattgcctt ttcattttat cgattatttc 420
 ctttgctctg tagaagcttt tcagtgtgat gtagtcctac ttgtttggtc ttgctttcat 480
 tgcctgtcct atcagaaaaa tcattgccaa ggccaatatg tatcagcttc tttcctagt 540
 tttctcctag gtgtttttaca gattcaagtc ttatgttttag gtctttaatc tgttttgagt 600

tgacttttgc	tcttggtgta	agataagggt	ccaatttcat	ccttttgc	gtggatatcc	660
agttttccca	acactagata	tgaaagagac	taaactttac	ccattgtgtc	ttcttggtgc	720
ctttgtctaa	gacacttcta	tgacagttgt	ttctcagatg	ggtacttggt	tacgtgattc	780
acaacagtga	atggaaatgt	ttaccactca	tcactccatc	taacacacct	tgtaaagaca	840
catgtaaaaa	ctgttcta	agtaccagtt	gcaactataa	ctgaaaatag	tattatttta	900
ggaactagt						909

<210> 241
 <211> 901
 <212> DNA
 <213> Homo sapiens

<400> 241						
gctcgtgccg	cacgggagggc	agaggttgca	atgagtcgag	atcgtgccat	tgcaactccag	60
cctgggcagc	agagcgagac	tccggctcaa	aataataata	ataaattaga	gatgggggtct	120
cactattttg	cccaggctgg	ttttgaactc	ctgagctcaa	gggatcctct	cgcctcagcc	180
tcccaaagca	ctgggatcac	aggtgtgagg	tgccatgcct	ggccacacac	agctgtgttt	240
aatcaatgct	gggcagccct	gcagcttggt	gacatcagtg	ggccactggc	tactgggtgt	300
tttttccatc	ctgccctggt	ccctgctggc	accaggggaa	aaaggcccat	agggagtct	360
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tggtcatgc	ctgtaatccc	agcacttttg	gaggccgagg	cgggcagatc	atgaggtcag	660
gacatcgaga	ccatcctggc	taacatggtg	aaaccccatg	tctactaaaa	atacaaaaaa	720
attagccagg	cgtggtggtg	ggtgcctgta	gttccagcta	ctctggggc	tgaggcagga	780
ggatcacttg	agcccaggag	gctgaggttg	cagtgaagctg	tgactgcacc	actgcactcc	840
agcctgggca	acagagcaag	accctatctc	aaaaaaaaa	aaaaaaaaa	aaaaactcga	900
g						901

<210> 242
 <211> 817
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (4)..(4)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (7)..(7)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (600)..(600)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (683)..(683)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature

<222> (685)..(685)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (728)..(728)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (811)..(811)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (814)..(814)
 <223> n equals a,t,g, or c

<400> 242
 atantgnatc actcattgga acattagctg gagctccacc gcggtggcgg ccgctctaga 60
 actagtggat cccccgggct gcaggattc ggcacgagct cgtgccgaat tcggcacgag 120
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 gccttattgt attcccaaag agctgtaaca ttttatagca tcaccacttg ggcaggggta 240
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 cccagctact agggaggctg aggcactaga atcacttgaa cccgggaggc ggaggttgcg 540
 gtgagctgag ttcacagcct gggcgacaag agttaaactc catctcaaaa aaaaaaaaaan 600
 aaaaaaactc gagggggggc ccggtaccca attcgcccta tagtgagtcg tattacaatt 660
 cactggccgc gttttacaac gtngngactg ggaaaaccct ggcgtaccca attaatcgc 720
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<210> 243
 <211> 1959
 <212> DNA
 <213> Homo sapiens

<400> 243
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 gagcttttga aaagaacttg gttgacactg cttttattgt ggataaagga gagatggtca 180
 gtaattaatg gcttgaagta ttattggagt ggtttatcat ttctgaaactaatcgtgtca 240
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 ctatgtttgga ttgtaatatg aaataattta aaagggtctt gctcatatat aggaaaatcg 360
 catatggtcc tagtattaaa ttcttattgc ttactgattt ttttgagtta agagttgtta 420
 tatgctagaa tatgaggatg tgaatataaa taagagaaga aaaaagaata aagtagattg 480
 agtctccaat tttatgtaag cttcagaaga actggtttgt ttacatgcaa gcttatagtt 540
 gaaatatttt tcaggaatta catgaatgac agtcttcgaa ccaatgtgtt tgttcgattt 600
 caaccagaga ctatagcatg tgcttgcatc taccttgcat ctaggcact tcagattccg 660
 ttgccaaactc gtccccattg gtttcttctt tttggtacta cagaagagga aatccaggaa 720
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 aagaagtaga aaaaagaaaa gtagccttac aagaagccaa attaaaagca aagggattga 840
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gatgggtgaat	actttcttaa	cactgggttg	tctgcatgtg	taaagatttt	tacaaggaaa	1860
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<210> 244
 <211> 922
 <212> DNA
 <213> Homo sapiens

<400> 244						6
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gatttttttt	ctttctgcag	ttgtgtgtat	gtgtgtttgt	gtgaagaaaa	acagactctg	240
tccaggtaga	aatggtgagg	agggggaaga	gaattacatt	tccagggtca	gaaacttggc	300
aacagttttc	ctagagtgc	tcagacacac	cacagtaaca	actctcgtcg	caatttttatt	360
ttaatgttag	aaataaagat	ttcctccaag	ccacatgagg	actctggcac	ccaccacaaa	420
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aaaatagtaa	ctcgggcagc	agaatcagat	tggcagaatc	tttagactac	acaggcaata	840
atcaagtcctg	ctgttttggc	ctttcgtagt	agaagtgggt	gtagtgttta	gatatctgtt	900
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aaaaaaaaaa	aaaaaaaaaa	aa				

<210> 245
 <211> 900
 <212> DNA
 <213> Homo sapiens

<400> 245						60
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tatatactca	ctagggtta	ctatgctaaa	taccaaacag	gaaggcagct	gtagggaaaa	240
gcaagagtat	gaaacctgga	aaaacaattg	ccagactctg	ctgcttgtgg	gtatgtggcc	300
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gatgcccact	ttgtggaatt	cttgtaaaga	tgaagagatt	ccaaatatgt	aaagtgcata	420
gaacaatccc	cagcaaaaag	tggaaacatgt	tagtgataat	tgctgtcata	gtcgggtctc	480
ttgcttagta	ggcctgagat	aaaactttct	cctatttcat	ccctcctcct	ccctcttctc	540
gattttacat	gttattttat	tgtttctccc	tctcactata	attattttgtg	agaagttaca	600
agagttatac	tatggttagag	cagacaggct	ttgcacacct	tcagggtcag	ttctggacca	660
aaccactcag	aaaccactgc	acggatgaat	ggctggagat	tgtggggcct	attgtgtctc	

cagggtggctg	tggttacatg	ggatccctgg	aatgttaatt	aattttca#	tttcccttta	720
aggtacttct	gtggctcaaa	caatgaattt	ctgagttagg	tcccaaagtg	gcatttttgt	780
ttgccaacac	cctcatagga	aactgtatta	gaagctttct	tgtaatat	aagagccttt	840
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<210> 246
 <211> 604
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (152)..(152)
 <223> n equals a,t,g, or c

<400> 246						
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cttacgaaaa	ttacaacagc	agtcttaaag	tatgaaaaag	atgcataca	gcagagacat	120
tatggcccag	ttgatatcaa	atgtaaaatg	tnaatgcatg	taaatgcaca	cttcatttta	180
tgtattat	agtaatttgc	agtggatatg	gtttaatat	tttgctacct	acacattagg	240
caaaaaaaaa	atgtaaataa	tttgggagaa	aaagaggaag	aacagtgtaa	aataaaactt	300
tctataagta	ctccatttca	atgtgttcaa	catcatccta	aaaggcaaga	ttttcccacg	360
caggtgacaa	ggtggtttat	gtactattta	agggcggaag	gtgcgtgccc	gttcaataag	420
catgtttttt	gccaggtagg	aaatatgttc	catatcttta	cttatcattg	catttcagat	480
gggaactaga	aaaactggag	agaaaaatgt	aatgaaactg	ctgctgtaaa	ttatttcctt	540
tagcatgtat	tcacttgcta	aatacacatt	tcttcaaaat	aaaaaaaaaa	aaaaaaaaact	600
cgta						604

<210> 247
 <211> 1119
 <212> DNA
 <213> Homo sapiens

<400> 247						
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cttcccgcga	tgtttagggc	cagtaagagg	tctcttaagg	acagtcagtg	tgattgaagg	180
gttatacagt	tttcagcttt	gaacagttat	ggatcaaaat	tgattttgct	tttaatat	240
acatctatta	ttgctcagtg	atggatatac	tgcgttgggtg	ggtatattgt	agcagatact	300
gttatttctt	ctttttatat	gtttaaagta	tttcataatt	ttaataaaat	agaaaattaa	360
ctttgctttg	atttaagttg	gtgaataata	acaaatattt	gggttataat	tyccctttag	420
tattaagtta	gctgtagaaa	tggtgttgta	tctgacctag	taaccatttt	gacttttttaa	480
agatgaatta	ctaaattttt	ttaatgatat	gaaaaaatgt	aatttgctcc	ctttacctct	540
tatcaatata	tttatgatac	cataggtacc	tgcaagggtg	ggagttacag	tccgagacag	600
tctaaagaaa	gcactgatga	tgagaggtct	aatccagag	tgctgtgctg	tttacagaat	660
tcaggatggg	tatggtttgt	atgtgrcgtg	aaattttgtt	taaaaagaaa	atcacacatt	720
aaactttgaa	gttttcttag	gatctttacc	aaaacctagg	gaattgaaag	tgtacttttag	780
gaaaaagtat	taaaataata	ctaagttagc	ctgaagaaat	actgtaggcc	atatgaggag	840
ttaaataaatt	gtatatgact	gtagggtttg	ttactttgat	caaatgattt	tatttggaat	900
ttgagattct	tacaattttt	gaaccattca	gagtgtgatt	tatttgata	atagactctt	960
acccccctcc	catttttaaat	acaaactcat	agtttcacaa	aaggatatatc	aaaattaaca	1020
ttttatattg	acctactttt	ctttcagaa	gtgtctaaca	ttgttccaag	accctcacat	1080
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<210> 248
 <211> 927
 <212> DNA

<213> Homo sapiens

<400> 248

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aggacataga	atcttttacag	gttcagatga	ctgtttggta	aagatttggt	caacacataa	180
tggccgcttg	ttatctacat	taagagggtca	ttctgcagaa	atttcagata	tggcagtaaa	240
ctatgagaat	acaatgattg	ctgcggggag	ctgtgattaa	aattattaga	gtgtgggtgct	300
tgagaaactg	tgccccagtt	gctgtgctcc	aaggacacac	aggatcaatt	acatctttac	360
aggtaaaactt	gtagcttagt	gggcacattc	cctatatgta	ttttcacctt	tttcttttaa	420
acagtttctt	tgggaattga	gaaatagtaa	gatgtgtatt	agttatgttt	taagtaagag	480
aagtgataat	cattcatata	aatcatataa	atcatggaag	gctgatgaaa	tgaagatcta	540
atgcatattt	acatgaaggc	ttattgatat	tttggggtta	tggttgaact	ggatgagtgt	600
caattagaaa	ctggtgatag	attaattatt	tttcaacttt	aaaacttggt	gattttgcta	660
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gtggtgtgat	ctcagctcgc	tgcaacctct	gcctcctggg	ttcaagcgat	tcttgtgcct	780
cagcctcccg	agtagtctcg	gtactcctga	ggttgagggg	ggattgcttg	agccaggagg	840
ttgaggctgc	agtgagccgt	tatcgacca	gtgcattcca	gcctgggtga	caagtgaga	900
ctgcctcaaa	aaaaaaaaaa	aaaaaac				927

<210> 249

<211> 1365

<212> DNA

<213> Homo sapiens

<400> 249

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ctcgtgttca	gtaatcctag	cattcctccc	caagcagacc	cctcgcaggc	ctctgcatta	180
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gccacagccc	tctgtattga	tcactctcag	acctgcagcc	tcagtgggct	ttttgctgt	360
gggagaacat	atctctaggc	tctaagtcaa	gccagctgcc	tgcccagctg	agctctctgc	420
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aattcccagt	gtgtaccttc	tgtgtttttt	gtaagtaaaa	ghagactct	atactgatct	1140
cagtcaccca	ttctggtttt	caagtatgag	ctatataggc	tatgcgtgac	gcttattaaa	1200
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<210> 250

<211> 1478

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (2)..(2)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (42)..(42)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (46)..(46)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (49)..(49)
 <223> n equals a,t,g, or c

<400> 250
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 aggtacgcct gcaggtaccg gtccggaatt cccgggtcga cccacgcgtc cgattagaaa 180
 ttagtgctag aggatttaat tagccagctc acaggatgca gtccctttaa tttaggattt 240
 ccctttgaga aaattatgga gttgaaaagg aatagatat ttcatacaag tttccatctt 300
 gggcccttat gttgtttgtt ctgctgatct ggaaattgta catgatttac attaaaactt 360
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 actatgtttg aaattaaaaa aaaaaaaaaa gggcggcc 1478

<210> 251
 <211> 1125
 <212> DNA
 <213> Homo sapiens

<400> 251
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 tctcctgtga tgccctgtga aatggcttgt ctccctcccc atcagggccc acgaaagct 180
 caggggagca cagaagccca tggaaagccca gggagatgtc cctggggcag acactaaggc 240
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gtggcagggc	ctccccaggc	agctctggga	cctaggagtt	tgcttctgat	agggtcagct	660
ttcccatctc	ccttcaatgc	ttgggaacct	tctcccttag	cttcacactt	gccatttcaa	720
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ggacaagcct	gtgcctgcc	aagctcccag	gccaagtttg	gggctgggtg	tttgggggtg	1020
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<210> 252

<211> 1157

<212> DNA

<213> Homo sapiens

<400> 252

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gaggacggct	gggagccgaa	agccggaccc	tgctggctcat	agcgaccct	gatgatgaag	180
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agagctgtga	tgttttgggg	attccactct	ccagtgtaat	gattattgac	aacagggatt	360
tcccagatga	cccaggcatg	cagtgggaca	cagagcacgt	ggccagagtc	ctccttcagc	420
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ctaaaggggtg	ctctgtgctc	acgcttcagt	ctgtgaatgt	gctgcgcaag	tacatctccc	600
ttctggatct	gcccttgtct	ctgcttcata	cgcagtggt	cctcttcgtg	ctcaacagca	660
aagaagtggc	acaggccaag	aaagccatgt	cctgccaccg	cagccagctc	ctctgggttc	720
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<210> 253

<211> 1552

<212> DNA

<213> Homo sapiens

<400> 253

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 <211> 897
 <212> DNA
 <213> Homo sapiens

<400> 254						
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ggtgtttctt	cctcattgg	ctttaccttc	tcttccttac	ttttcctttg	cccttcatag	300
caatactgtt	aagccagata	tttacttctt	atgtggatca	aatagtctta	tatttcctgt	360
ggacaagaga	tatgttttct	actcatttat	ttctctaatt	gtgaatagga	aacagctaga	420
aaattggaat	accttcagct	tatgtggctg	ttgattgact	ttgtgattca	gtgggccttg	480
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<210> 255
 <211> 1767
 <212> DNA
 <213> Homo sapiens

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tttatggaaa	ccctcgtaca	aatggcatgt	gttcagtagt	ctataaagaa	catcttcaaa	480
gacagaatag	tagtaatgg	agaataagcc	cacctgcaac	ctctgtcagt	agtctgtctg	540
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aaaaaaaaaa	aaaaaaaaaa	aaaaaaa				1767

<210> 256
 <211> 1129
 <212> DNA
 <213> Homo sapiens

<400> 256						
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tcctgtatta	ttcttttgca	tatggatata	tagttttgga	aatcttcccc	gttgtgtcat	180
tttggtggtg	ttttgaaaaa	tgtgttcatt	ccatataaat	ttttgtttat	tatcgagcac	240
attcattttg	ctcactggtc	tgtgtttctc	tgtgtacgcc	agtaacatat	gggtttgtta	300
actacagatt	ttcatttaat	tagaactcag	ggaatgtgac	acatcccata	ggtttgtat	360
ttctcagaat	aactttggaa	attcaggggt	tttcacattt	ccacataaat	tttggcattg	420
ttctttatat	ttcttaaaac	actatttgtc	atatactaaa	tgtatacaat	taaaaggtag	480
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gccagaattg	atcagttctc	tctgagagta	actttgtacc	catcactgat	tccttctgag	720
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<210> 257
 <211> 1284
 <212> DNA
 <213> Homo sapiens

<400> 257						
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aaaaaaaaaa	aaaaaaaaaa	aaaa			1284

<210> 258
 <211> 833
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (793)..(793)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (798)..(798)
 <223> n equals a,t,g, or c

<400> 258	
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ggtccgctgc	tgccagtacc
gcctgataaa	gcgcgccgac
tcgtgttcgc	cgtgggtggc
tgtccatcat	ggtgttaacc
gcgagctgga	cgccactgtg
ttccacatac	aaattttttg
aaatcctgac	accagtgga
gacatctgca	ggccgaaaga
tggtggctct	cgccgggcag
ctaataataag	taaagtttgt
aaaaaaaaaa	aanctcgnng
agagcagcca	tcaggtaggc
cttcctcttc	agccatcagg
gggaaagaa	gcagtctgat
gccagctctc	tgtctctcac
tgggctacaa	ggccaagcaa
gaaaacgccc	agttcctaag
agctaaagtt	tgtctgaagc
gggctctgag	agtcctgaat
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gccgtggcct	tggaaagggc
cttggaagaag	gcgcaataact
aaaattcata	cttaataaac
gggggggcccg	gtmcccatctt
atcctttgctc	60
tggtgtgcata	120
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gccccacccg	240
tatataggat	300
acggaagcc	360
ttgcagagga	420
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ctatcagaag	540
tgctgtgggt	600
accacactat	660
accgttaccg	720
agtcaaaaaa	780
ggg	833

<210> 259
 <211> 2927
 <212> DNA
 <213> Homo sapiens

<400> 259	
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agtggtgattt	ggggaagcaa
cagaaatgga	gcaagagcca
catataagaa	ggccttttta
cagggctgtg	60
caaaatggag	120
tttgtaaaca	180

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<210> 260

<211> 1249

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1138)..(1138)

<223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (1196)..(1196)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (1202)..(1202)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (1225)..(1225)
 <223> n equals a,t,g, or c

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 tgtttcagat atattgaaa gtctgtattc cagctcttaa gaaaaatata agcatgttaa 1020
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 aaaaaattca ttaaccgggt gcttccaaaa ttaggaagwt ytamgttgca tgaaacnntt 1140
 aataggcctt ggaaagcttt ggattaaggt tttccaggta attaatacc cctttnaatt 1200
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<210> 261
 <211> 1129
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (564)..(564)
 <223> n equals a,t,g, or c

<400> 261
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 tgtacagttt catttacata gtgttgctcaa ggaataagtg atttgtttca cttaagtgat 180
 ttttccagggt aattgaagct tacctctttg tgcacacatt atttttgct taaactttct 240
 ttgatgaaaa catggcacak ggttcttttc tttttttttg cttggtacat ataatgtgg 300
 ctacatcttt tcttgacttg gggttatcat gataaagatt gctttgttct gtgccgtaat 360
 cctgttattg acagctgaat tgtgtgggat tgagagcctg tatgtgaata gtcacagatc 420
 catattcttt tagagttacc attattacta ataatatagc ycctctgagt cattagcaaa 480

tcccaggcag	gatgctaaga	attcatatac	attataatct	tggctaaacc	atccacccca	540
ctccaagaaa	tgatcattat	tatncctcct	actttacagg	taaaaattga	agtttaaggg	600
ataagtagta	agtggtagag	ttgagatttg	catccatgc	tctctaactg	caagatgcct	660
gttgccagtt	atacttcttc	tatttctcct	ctctgcccc	ctttgggtat	ttctgtctgt	720
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ycttttctgt	ggagggccag	atactaaacg	tctagttca	ttttgtgttg	ctataaaggt	1080
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<210> 262
 <211> 3097
 <212> DNA
 <213> Homo sapiens

<400> 262						
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aaagctctgg	gaagacctgt	tgtaaaggga	caagtttaggg	ttgtaaaatc	tgcatthtaa	3060
taaacatctt	tgatcacaaa	aaaaaaaaaa	aaaaaaaa			3097

<210> 263
 <211> 1160
 <212> DNA
 <213> Homo sapiens

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tttgggcatt	aaaaccaaag	ttcatacatt	attgagacag	gccgactctg	ctaaggcagc	180
ctgtttggcc	tttaagtttt	attgcttaatt	ttttgagtatt	gtattttattt	ttttgatttat	240
tattattttt	ttttttgagc	tttaagcctt	caagttttcct	ttttattctt	gacccctaga	300
cattttccttt	gcttgtggac	tccgggtatth	gttttttaggt	aataatttttw	ttccctatga	360
cacagccctc	aggagatcct	gagaacatgt	gccctcattt	ttaggtaatt	ttaatttagga	420
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tttctgggtg	cttccctttta	tccaaattta	gtattgaaat	tcctcgagcc	gctgcttttc	780
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ttttaatggc	tttccgttag	gttaaaaattt	aaaagtcctt	tgtagcctgt	gagactctac	1020
atgagttgac	tccctagctt	catcttttag	catcttattt	ctttacttat	tataccatca	1080
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aaaaaaaaaa	aaaactcgag					1160

<210> 264
 <211> 835
 <212> DNA
 <213> Homo sapiens

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tgcatctatt	gagataaacg	tggtttttgt	cattgtttct	gcttggtgta	tggtattacgt	180
ttattgattt	gcatatgttt	aaccagcctt	gcatccctgg	gatgaaactg	acttgatcgt	240
ggtggataag	cttttttgatg	tgctgctgga	ttcggttttgc	cagtattttta	ttgaggattt	300
tcacaccaat	gttcatcagg	gatattggcc	tgaaattttg	tttttttggt	gtgtctctgc	360
caagttttgt	tatcaggatg	atgctggcct	catgagttaa	ggaggattc	ctcttttttct	420
atcgtttgga	atagttttcag	aaggaatggt	acaatctcct	ctttgtacct	ctgggtggaat	480
tcagctgtga	atctgtctgg	tcctggactt	tttttggttg	gtaagctatt	aattgctgcc	540
tcaatttcag	aacttggttac	tggtctattc	agggattcaa	cttcttctctg	ctttagtcctt	600

gggtgtatgt	gtccaggaac	ttatccattt	attctggatt	ttctagttta	tttgcata	660
gggttttatg	gcattctctg	atgatagttt	gtatttctgt	gggatcagtg	gtggtatccc	720
ctttatcatt	ttttttattg	cacctatttg	attcttcttt	cttttcttct	gtattagtct	780
ggctagtggg	ctattttgtt	gatcttttcc	aaaaaaaaaa	aaaaaaaaac	tcgag	835

<210> 265
 <211> 879
 <212> DNA
 <213> Homo sapiens

<400> 265						60
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gaattccagc	tgaggccaat	cctttagcag	atcatgtctc	tgctactcga	atcttgtgtg	180
gagcccttgt	ctttcctact	attgctacaa	tagttggtaa	attgatgttc	agtagtgta	240
actctaattt	acaaaggaca	atcttgggtg	gaattgcgtt	tggtgccata	aaaggagcat	300
ttaaagttaa	cttcaaacag	cagcaatatt	tacgacaggc	acaccgcaaa	attctgaatt	360
atccagaaca	agaagaagca	taaaactgac	ttctggttgt	tcgcagttc	tctcatcctt	420
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caaatgcctc	ttttgtacat	gttcatgttt	agtgttttct	cagaatcagc	aactcaagg	780
actatgagga	tttttctcac	tgacataatt	tgattacaa	ctaaataaga	ggatatgtta	840
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tcaaatgatt	atctgaaaaa	aaaaaaaaaa	aaaaaaaaaa			

<210> 266
 <211> 575
 <212> DNA
 <213> Homo sapiens

<400> 266						60
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aatttgagg	agaagaggca	ttctggtttt	ttaaattttc	agcatttttg	cacggttttt	240
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ataggtgtct	gtcaactcct	gttgggaggt	ctctcccaat	caggaggcat	ggaggtcagg	575
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<210> 267
 <211> 454
 <212> DNA
 <213> Homo sapiens

<400> 267						60
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cttaaagaaa	caaatagaca	agtttgaatg	gaaaagcctg	ctgttggttc	acatctcggt	180
gctgtttaca	ttcctttgtg	gagcctacat	cttcctaagc	tttttagcag	gtatatgttg	240
aacacttctg	tttcatgggt	gagacagaat	cagaggccat	ggatactgac	aactgatttg	300
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aatgtgaatt ttgttttaaaa aaaaaaaaaa aaaa

454

<210> 268

<211> 788

<212> DNA

<213> Homo sapiens

<400> 268

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tgggtggctct	ggtgcagcac	agtcactgct	ttttccatac	ttggagagcc	tatgggagtg	180
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aaaaaaaaa						788

<210> 269

<211> 908

<212> DNA

<213> Homo sapiens

<400> 269

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aaaaaaaaa						908

<210> 270

<211> 1891

<212> DNA

<213> Homo sapiens

<400> 270

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cctgcctcct	ggatatgtta	gtcaaggcca	gtccatgcta	cacatctagt	ctgacttcta	600
aaatagaagc	accagatgaa	ttcagccctg	agagaatfff	cagcagtgt	gggggcgctg	660
gaggaaacac	tattaaatag	ttttgcacct	gagacagata	gcctcactcg	cctcacccta	720
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<210> 271
 <211> 434
 <212> DNA
 <213> Homo sapiens

<400> 271						
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gaaatcacag	aataagaatg	atttgcacac	accaagagtt	tgagaaacat	gctctaata	360
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 <212> DNA
 <213> Homo sapiens

<400> 272						
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<210> 273
 <211> 325
 <212> DNA
 <213> Homo sapiens

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catgattgcc	aggggttggg	ggtggggaaa	gcgtgtgact	accatggggg	agtatgaggt	180
gattttttgag	gagatgaaac	tggtctgtgt	cctcattgtg	gtgtgggta	catgagttag	240
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<210> 274
 <211> 878
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (219)..(219)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (222)..(222)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (862)..(862)
 <223> n equals a,t,g, or c

<400> 274

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tggaaatata	ctttatatatt	tgtatcatcg	tgcctatagc	cgctgccacc	gtgtataaat	720
cctggtgtmt	gctccttata	ctggacatga	atgtattgta	cactgaocgc	tccccactcc	780
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<210> 275
 <211> 1135
 <212> DNA
 <213> Homo sapiens

<400> 275						60
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tctgatacct	ctacttagaa	atgccttttc	ttttcttgca	aaaattactt	ggcagatttg	480
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<210> 276
 <211> 2704
 <212> DNA
 <213> Homo sapiens

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aaaa						2704

<210> 277
 <211> 1225
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1214)..(1214)
 <223> n equals a,t,g, or c

<400> 277	
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cgcttcctgt	gacatcgtgg
tgaccatcac	cagaggtctt
gcagaccaag	ctgagcagtg
tcctgcctcc	ctgcagggag
gccgccaccc	ctgtataccc
acgatcccgc	agcaaaactca
gcactggcat	gcgcactgct
acccgggatc	ccgaaaaact
gaccctcgga	gacaccgata
ggaagccgtg	
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agctgctggc	

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<210> 278
 <211> 1324
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (3)..(4)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (1241)..(1241)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (1288)..(1288)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (1323)..(1323)
 <223> n equals a,t,g, or c

<400> 278						
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aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaagggcggc	nactatagag	gatccctcga	1260
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ccnt						1324

<210> 279
 <211> 1500
 <212> DNA
 <213> Homo sapiens

<400> 279						
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ggggaaactc	tcgtgggttt	cctgctgcc	ggctgtttgc	ggagctttcc	cttgtttgct	1320
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taatcccagc	actttgggag	gccgaggcgg	gcggatcact	tgagggtcagg	agttcgagac	1440
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<210> 280
 <211> 776
 <212> DNA
 <213> Homo sapiens

<400> 280						
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cccggccacg	tccactctga	ccccatgcct	gcaaggatag	ggtctctatc	gtgacttcta	180
accccaccag	gtacttttgc	ctcttttttag	aaatggaatc	atacagtctg	tactcttttg	240
tgccctggtt	gttttggtta	acattgcgtc	tgggagtttt	atctctgtcc	agggttggcg	300
aaccccagct	tacaagccaa	atctggtcct	ttgcctgttt	tcatatggcc	tgtgagctaa	360
ggatggattt	tatgttttta	aatagtgtcg	ggggggggcg	ggggggggagg	gaaagaatga	420
tattttgtga	cgcgtagaaa	ttatatgaaa	ttcaaatttg	tgtccacaaa	ttgactgggc	480
atggtggctc	atgcctgtaa	tcccagcact	ttgtggggcc	gaggtgggtg	ggtcacttgg	540
ggccagaagt	ttgctaccag	cctgaccaac	atggttgaaa	ccccatctct	actaaaaggt	600
acaaaaaaat	agctgggtgt	ggtgggtgat	gcctgtaatc	ccagctactc	aggtggctga	660
ggcaggagaa	tcacttgaac	ccgggaggca	gagattgcac	tgagccaaga	ttgtgccact	720

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gtacttcagc ctggatgaca gagtaacact gtatctcaaa aaaaaaaaaa aaaaaa 776

<210> 281
<211> 543
<212> DNA
<213> Homo sapiens

<400> 281
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gctccagatc caccccagc cctactcctg tggaatcttc tgacccaaaag gctggggcacg 240
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gggcactgct ggggcctgat ggctgaagga gacgccggca tcctcggggg cctggggaag 480
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aaa 543

<210> 282
<211> 728
<212> DNA
<213> Homo sapiens

<400> 282
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tgtcagccaa cttccactgg ctgccttggc actgccatga cagcacagct ccacaccaga 240
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ctatttgtat ttcattgaaag cagttctgaa tgagagtaaa tcaaaaaaaaa aaaaaaaaaa 720
aaaaaaaaa 728

<210> 283
<211> 2301
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (36)..(36)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (237)..(237)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (250)..(250)

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<223> n equals a,t,g, or c

<400> 283
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gtccagcaac tcaggatccc agcccgggtc tcaccctggg tctcaragtg gctccgggga 180
acgcttcaaa gtgagatcat catccaagtc tgaaggctct ccattctcagc gcctggnaaa 240
atgcagtgan aaaaacctga agataaaaag gaagttttca gaccctcaa gcctgctggc 300
gaagtggatc tgaccgcact ggccaaagag cttcgagcag tggaagatgt acggccacct 360
cacaawgtaa cggactaytc ctcatcagt gaggagtcgg ggacgacgga tgaggaggac 420
gacgatgtgg agcaggaagg ggctgacgag tccacctcag gaccagagga caccagagca 480
gcgtcatctc tgaatttgag caatggtgaa acggaatctg tgaaaaccat gattgtccat 540
gaygatgtag aaagtgcacc ggccatgacc ccattccaagg agggcactct aatcgtcgc 600
cagagtacag ttgacaaaaa gcgtgccagc catcatgaga gcaatggctt tgccggctgc 660
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tcctccccat cctccagcca gccgacacc accatgtccc cacagacacc ccaggacaag 780
ctcaactgta atgagactca gtccgctagt agcacactcc agaaacacaa atcttctctc 840
tcctttacac cttttataga ccccagatta ctacagattt ctccatctag cggaacaaca 900
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aagaaccac actctatgat ccagtgtagc atcaaaccac atgcaatcat catcctcccc 1680
aatacagatg gaatggagct tctggtgtgc tatgaagatg agggggttta tgtaaacaca 1740
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cggagctgca ccgagggcaa ccaggacagc tgtgtgtgca gacctcatgt gttgggttct 2160
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aaaaaaaaa aaaaaaaaaa a. 2301

<210> 284

<211> 1061

<212> DNA

<213> Homo sapiens

<400> 284

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gcctcatctt ccttcatctc ctctcatgtt cacttctctt tgccctggacc aatggggaaa 120
aaagtgcaca gaatgagatt atgtgactac agcaattctg agtttagctt gattgctctg 180
cagtaaaatt aaggggacat atcttttctca tgcacatgat atatagtttc aaatatagat 240
ctgtacatac gtgatgatga aaagtctctc aggaagagga tgtatcagag agtgtgaatt 300
gaggccagtc ttctgtttcc tcccaaactc ttaacagatt gcatactctc atgcaaatct 360
tttcatgtat tccttgtata ctacctatag aaagggtggga cttgggaggg tcaattacaa 420
ctcctgtgat cttattttct cctccagggg ctccttgaat agagttttcc cccattttac 480

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gatgtgcta	aacacccgcg	ggtacacagc	agaccaaaga	atgatctagc	cccagatgcc	660
agtagtgctg	argttggaaa	actcttaag	tagtaaatat	acaactgata	ggaaaaacat	720
gaagtttcaa	taattaaaaa	gctttgcacg	aaagtttatt	acagggctgg	gcatggtggc	780
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aatttgagac	ctgtgttggc	aacatagtg	gaccccatct	ctaatatata	tatatctggg	900
catggtggct	cctgcctgta	gtcccagcta	cttgggaggg	ttgaagtggg	agaatggctt	960
gagtccagga	ggttgaggct	gcagtgagcc	atgattgcat	cactgtactc	cagcctgggc	1020
gacagagcaa	gaccctgtct	ccaaaaaaa	aaaaaaaaa	a		1061

<210> 285
 <211> 349
 <212> DNA
 <213> Homo sapiens

<400> 285						60
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attcgaattg	caccagtttt	tccattaatg	tccttttgct	gttctaggac	agcatattga	180
gtttagtgc	acttgccttt	atgctttatt	ttaatgccct	tgaattctca	tctgttatta	240
gtgagtctct	tatttatctc	tttgttttga	gcttccttct	ctgctgttgg	tatgttgctt	300
taatggagag	gttgcatcaa	ccttcatttt	tttttttgag	acagcctggg	caacagaggg	349
agacttcata	tcaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaactcgag		

<210> 286
 <211> 1019
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(1)
 <223> n equals a,t,g, or c

<400> 286						60
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tgtatgcttt	gtcaaagatc	agttggctat	aagtatttgg	ctttatttct	gggttgctcg	240
ttctgttcca	ttgggtctatg	tacctgttgt	tatactagcc	ccatgctatt	ttggtaacta	300
tagcattgta	gtatatattt	aagttgaata	atgtgatgcc	cccagatttg	tyctttttgc	360
ttagtactgc	tttggctatt	tgggtctctt	tttggtgcca	tatggatttt	aggattgttt	420
ctgattgaca	aaggatattt	gatgggagtt	ctgtgaagag	tgatgggtgt	atcttgataa	480
gaactgcatt	gaatctgtag	cttgcttttag	gcagtatggg	cattttcaca	atattgattc	540
tacccatcca	tgagcatggg	atatgtttcc	atltgttkgt	gtcatctatg	attttttca	600
atagtgtttt	atagtttttc	ttgtagagct	atlttacctc	cttgggttaag	tataaccata	660
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cttagccttg	ccgttggttg	tgtatagcag	tgctactgat	ttgtgtacat	tgattttcta	780
tctggagaat	ttactgaatt	catttattag	atctaagagc	tttttggatg	agtcttttaga	840
gttttctagg	taaatgggtca	tatcattggg	ggacagtgac	agtttgacct	ccttttttcc	900
aatttgatg	ccctttcttt	tctgtctgat	tgtgtgtggc	aggacttcca	ttactatgtt	960
gaatagaagt	ggtgaaagt	ggtaaccttg	tcttgttcca	gttttcagg	gcgtaggcaa	1019
agaattcatg	actaagaacc	caaaagcaaa	tgcaacaaaa	aaaaaaaaaa	aaaactcga	

<210> 287
 <211> 554
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (16)..(16)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (26)..(26)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (94)..(94)
 <223> n equals a,t,g, or c

<400> 287
 aggtcactca ttaggnaccc ccaggnttta cattttatgc ttccggctgg aatggtgtgg 60
 gaattgtgag cggataacaa tttcacacag gaancagcta tgaccagat tacgccaaag 120
 ctcgaaatta accctcacta aagggaacaa aagctggagc tccaccgagg tggcggccag 180
 ctctagaact agtggatccc ccgggctgca ggaattcggc acgagctact aataattatt 240
 acatttttgac taccacaact caacggctac atagaaaaat ccaccctta cgagtgcggc 300
 ttcgacccta tatccccgc ccgcgtccct ttctccataa aattcttctt agtagctatt 360
 accttcttat tatttgatct agaaattgcc ctctttttac ccctaccatg agccctacaa 420
 acaactaacc tgccactaat agttatgtca tccctcttat taatcatcat cctagcccta 480
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 aakggggggg tttta 554

<210> 288
 <211> 1287
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1287)..(1287)
 <223> n equals a,t,g, or c

<400> 288
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 gattcctctg gattatgaaa cagaaaagca ccgaggattt gcttttggtg aatttgagtt 180
 ggcagaggat gctgcagcag ctatcgacaa catgatgaa tctgagcttt ttggacgtac 240
 aattcgtgtc aatttggcca aaccaatgag aattaaggaa ggctcttcca ggccagtttg 300
 gtcagatgat gactggttga agaagttttc tgggaagacg cttgaagaga ataaagagga 360
 agaaggggtca gagcctccca aagcagagac ccaggaggga gagccattg ctaaaaaggc 420
 ccgctcaaat cctcaggtgt acatggacat caagattggg aacaagccgg ctggccgcat 480
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 catgtgccag ggcggtgatt tcacaaacca caatggcact gggggcaagt ccatctatgg 660
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 ctgtggggag tacgtgtgag gcggcactct ctctgcttcc cctccgctc ttgaccctgc 960
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cacagcctgg	actattccca	ggcacagctg	tgggccaggg	agccagctca	ggtgctcccc	1140
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<210> 289
 <211> 1273
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (37)..(37)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (45)..(45)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (338)..(338)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (820)..(820)
 <223> n equals a,t,g, or c

<400> 289						
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tgcttccct	actagaacat	cagctccaca	agggcaggaa	ttttgcctg	ttgtcaccac	120
gatgtccctg	gcacccagta	tggtcttggt	gtctccattg	atgatgcagg	gatgtgtgga	180
tatggggcag	tggaactgtga	gcatgtgatg	agcatgtgac	ccagccccta	gtgaccgcac	240
cacatggcac	aggttgctta	taaaaacat	tttaaattaa	aaaagggagg	aagcatcagt	300
gcacacagat	ggggacacag	gggcagaggg	ccagcccnaa	gtacagtgtg	gtcaccaccac	360
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gttcctctag	gtacagcttt	ggtccttggt	ggctcagagg	ttgcctttc	ggaaacttgc	480
tctgttcaag	gagttcctga	ggccgggtgg	ggtgggtgcc	atcagctggg	gcaggcgctg	540
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gcgtgcagaa	caggaatgtg	cgaagcccat	agttgcggtc	aaagtaggtc	accgggtcct	960
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agtcaagctt	ggacttgtcc	acagggttag	agtctttgat	aatctcaacg	acgtcgctgc	1080
caaatctctc	cgtgtagaac	tcctccagcc	ggtgtgagat	ctctgccagc	ttcgtgatcg	1140
atggctcctt	gtacacaaac	tcctgctcat	ccaggtcacc	gaagtgggcg	ccgtagaagc	1200
ccacgcggaa	atacgtcccg	aacacgcgct	cccagccgga	actctggtgc	atgatcttgg	1260
tgaaggctgt	gcc					1273

<210> 290
 <211> 762
 <212> DNA

<213> Homo sapiens

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<400> 290
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gcagtctggc tctttctccc ctccctcccc acccaagcct cacctcccca ccccttgaac      180
ccccatgcaa tgagcttcta actcagagct gatgaacaaa agcccccca cccccaatgc      240
ctgcctcctc actcctccgt cgctgccctt cacacctttt ggtgctaccc ctccccagag      300
ttaagcatgg atgtctcctg atcccaggct gggaccccta cccccacccc ctttgatcct      360
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tcacctcccc aggtcacctc tgccatgcca ggtggtttgg ggaccaagat gttggggggg      540
tgaatcagga tcctaattgt gctgccctat ttatacctgg gtctgtatta aaagggaaaag      600
tccccctgt tgtagatttc atctgcttcc tccttaggga aggctgggat atgatgagag      660
attccagccc aagcccgcc cccaccgcc aggccatagg gcataatttg catctcaaat      720
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<210> 291

<211> 1474

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1452)..(1453)

<223> n equals a,t,g, or c

<220>

<221> misc_feature

<222> (1460)..(1460)

<223> n equals a,t,g, or c

<220>

<221> misc_feature

<222> (1463)..(1463)

<223> n equals a,t,g, or c

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aattaagtac ctgtcaaata twgcattgag gttgcagttg aataagataa aagcttagga      180
tgtcaaaaaa taatatagag aaatattata agattttatg attattcttg amgtttttga      240
tgcaaaaagg aaatatgctg aatagtctct ccaaaaaata ttatttccct caataattta      300
tttgtagcca tgtaatttaa agagaacaga aaataactgc atcaaaagt atggtttaat      360
atcaatcaaa gtggcacaaac agaattgata agatctttat aacaatcaat tggctgatat      420
taaaatattg attttaattg atcttttcaa ttaaaatctt tagggcctgt aactcataaa      480
atcagcatcc accacaatat atggtcatta ttggtttgta agcatagatc accattgact      540
cctacctgga gagacatgtc tatttctaaa aatccagtag tttctttgca ttctcagtag      600
tacacgttgt atatatatat atgtaacaaa tttggtagt ttcagtatgt gtgatgtcct      660
ttgggggtta tttatcttgc tgggtccatag gaggggtaca ctacccaag aatcaagaca      720
tctgagttct agttctagt ctagctctgc cactgagag ccaccttacc tggggcaagt      780
tagccattgt ctcccagtc tgtttaccac ccatgaaagg actcgtcggg ttgatgtttc      840
cattaagctc aatgagtaac tctaatagtt actcttgaat ctggattgaa aaacaccatg      900
catctgatga gataattcat aaatgttgcc ccttttttaa atgatacaac ctaaaaagt      960
actgaattgc ccaagtgtc gaacatggca gaggtagtta ctcytatatt gcagtttgtg      1020
cacttaaaaa ttctacagt gattgttact ttactgggga aaaaagatga ggtgaaactt      1080
cctcccaagg aattaaaata tctgtagaag ccatggcctg cttttataat gtggaaatca      1140
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tttgatttgc	tgtaattcac	gcagatccct	ccttttgtca	gggggaaatg	atttgcac	1200
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ctaataatgt	atactttgcc	taggtctttc	caaaattaaa	tttatgtaaa	tgtctatatt	1380
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<210> 292
 <211> 655
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (16)..(16)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (20)..(20)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (100)..(100)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (142)..(142)
 <223> n equals a,t,g, or c

<400> 292						
ctgaaaacgg	ccagtnagcn	caacgcaatt	aatgtgagta	gctcactcat	taggcacccc	60
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ttcacacagg	aaccagctat	gnccatgatt	acgccaagct	cgaaattaac	cctcactaaa	180
gggaacaaaa	gctggagctc	caccgcggtg	gcggccgctc	tagaactagt	ggatcccccg	240
ggctgcagga	attcggcacg	agggattggt	tttgaacatc	acaaatttgt	tcttggatag	300
aattttatatac	attgcttttc	atcatatatt	tgctcagtta	ctctaagaag	caaggaactg	360
atcactagtt	gggaatctat	atgggcctaa	acttgagtgt	attgattta	tattacatct	420
actaccaaca	ttttcttaag	catagccttc	taaatttttt	caggagatta	gaataaaggt	480
atacatgcta	ctcggctcttc	tggttaattct	agtgataaac	ctttggatga	gacaggtcct	540
aatcagcact	gaattcttca	ataggaggct	gtgttacagg	agctacagat	ttttccctgg	600
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<210> 293
 <211> 1286
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1232)..(1232)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature

<222> (1241)..(1241)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (1263)..(1263)
 <223> n equals a,t,g, or c

<400> 293
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 ctgaaaattht gaaacagacc attctaacac ccaaggcttg ttatataaat acttgagaat 102
 tacattaatg tggaatcaac agatgcagaa gaataataca taacttttaa aagctttcat 180
 aaataccagc agcaattgta agcaaatcta caaaggttct tgaacctttc tattatatac 240
 aaaactgaaa agtcattaag gagttcaact aatcaggaat taaatgggtca tttattttcat 300
 gcagtatgat ttaagggtatt tcttgagatt ctgggtcaaat gtcataatca gcaaacggga 360
 ttaaaaaaaa aactccaaaa tcaactaaata attatctaaa taatgggtatt ggagaacttg 420
 tttcctgcta tttggaagag attgttgctt catttgctagt ttgtatttct aacttctaca 480
 gttatagact ccactgtgct ttgtgtctga atttctcagt atagacattt tgtttactgt 540
 atgcttgcat atttattttt aactttggyt gtcttttaaaa ttgcttgagg aaaaatgggt 600
 gtaattaatt tctgctacag aaaagccacc tggtagcttt tgtctcatca ggattgtttt 660
 aaattctaaa ctataagttt gttcagaggg gctttttgcaa tgatagcaga aaactgtaca 720
 aatgtacagt tagttataga gggtcttggt gaaatgaact taccatctga tgatatgtat 780
 gtacagctgt gtacttgagt cttttttagt ttacttagaa agactagcag tttgacctgt 840
 taaacaggac tagttcaagt caagaaacta aggttggtgt atacacctgg aggcattctgt 900
 tattcagctt atcctttgag tgggtatattg gcacaatgag gataaactta tgtgtccac 960
 ttgaatggct gatctaataa tgttgacatt atgcattctg tacttagtga aatgtcagat 1020
 gaaaataact gatgaataat ttttttgtat taaagggatg ggaaaagaac acatgaattt 1080
 gtttaataaag cactatgatc tgcaaacgat ggaatgtttc ataaagatct aaagaaataa 1140
 aggaaacttt aaaacaamaa aaaaaaaaaa aacycgaggg gggggccggg acccaattcg 1200
 ccctatagtg agtcgtatta caattcactg gncgtcgttt nacaacgtcg tgactgggaa 1260
 aancctggcg ttaccaact taatcg 1286

<210> 294
 <211> 626
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (15)..(15)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (37)..(37)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (57)..(58)
 <223> n equals a,t,g, or c

<400> 294
 ccgctctgac tgtgntcccc ggcgcagatt cgcacnggg aaaccctgtc tctmccnnaa 60
 atacaaaaaa attagctgag attacaggtg tgagccacca cccccagcgg tcccaatcca 120
 tttttagttg ctaattggat tgaggagatc agacccaac aatggaaaag gcagactctc 180
 tagaggaaaa tactatcaat catcttaagt ctcttttggt cttgttaaca cagttggcat 240

acagtcaaac	gttatatgaa	atgcagagaa	actggaagat	tactgataat	caagggaaca	300
aataggtaat	aggagcaaac	tcagatgata	cacatgttgc	agttagtagt	caaggatttt	360
aacataagta	ttataaatgt	cttgaaaaaa	agaaaaatga	acagatagaa	aattttgaca	420
gagaattgga	gtctataatt	aaaaggaatc	aaatagatat	tctagaactg	aaaaatatat	480
ttgaaattaa	cattggatgg	gcttaacagc	aggctgaaca	ctgaattagt	gaactaatga	540
gaagacagaa	ttagtgaact	tgaaaaaaga	tcagtagaaa	atattcaaac	tgaagcacag	600
agaaaaaaaa	aaaaaaaaaa	ctcgta				626

<210> 295
 <211> 721
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (673)..(673)
 <223> n equals a,t,g, or c

<400> 295						60
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acaccagcaa	gaaaaagtat	ttttcaagcc	ctctggaagc	attggaagct	ccaagtgagc	240
ataagtgaaa	ataccctaag	agatacttcc	aggttctaga	tccagggtgt	tcattttccc	300
cttgttttcc	cactacattg	tcatctctcc	aaccttatt	ttagttttgt	ttttttcatg	360
gaagaccaga	aagccccctt	ccccaaagt	ttaaaatctg	gggtgaaggc	aactgacctc	420
attgcatact	ttggcaattc	aaagttataa	aatggttagc	gggcacggtg	gttcacgcct	480
gtaatcccaa	cactttggga	ggccaaggcg	ggcggatcac	ttgaggtcag	gagtccgaca	540
ccagccggrc	caacatgggt	aaaccccatc	tctactaaaa	atacgraaat	taatcaggkg	600
agatggcgca	cacctataat	cccagctamt	tgggaggctg	aggcatgaga	atcgcttgaa	660
cccaggaggc	agaggttgca	gtgagtgagc	agagatcggt	ccactgccct	ccagcctggg	720
tgacagagca	agnctgtctc	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaactcga	721
g						

<210> 296
 <211> 1024
 <212> DNA
 <213> Homo sapiens

<400> 296						60
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tcaaggtcac	ataatatgtg	tgactctcat	aaagactgtc	aagccaaagc	atgcttttaa	180
cctccatgcc	ttaaatctga	aacaccgtta	gttgacatct	ctcactgaaa	ataatcacaa	240
catcgacttc	ttagaaagat	aagatacatt	tgtcttttct	gaatatatga	tttgcttttg	300
ctgtttttgt	gagatgttcc	ttgttctttg	atgtgtctt	ctcatgtgtg	tctctgtact	360
cacattgcta	gctgtgcggt	ctttgtctcc	cttcctctca	tgccagctag	tggcatgatg	420
gagagactgt	ggtctagact	gaggattatg	acagcataca	aaactgactc	aacacttaca	480
ggtaaataaa	atgagcagtg	gtttccttta	tttatttctg	ttatccacta	catagattcc	540
atgtggattt	aagaaactca	aattcaagta	gaaatatcta	ttaatagcta	ttaaccaatc	600
atgcatctca	tgtcttagga	gattctatcc	tgtagataaa	atgaggaaat	cattttattga	660
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catggctttg	agtttcattc	aggaagtgg	tccaaaaat	gagaatgtgt	ttattctttt	780
aagatatgta	aattgtttat	atcaatatca	acttatcctt	tttgggagag	aaatacataa	840
gtagtacttc	actttcatta	gttatttaac	attcaaaaat	tctcaagtca	tttaaccagg	900
tgcaatggct	catgcctata	atcccagcac	tttaggaggc	tgaggcagga	ggattgtgtg	960
ggcccaggag	tacgagacca	tcctaggcac	acagtgaagc	ctcaatctct	acaaaawaaa	1020
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gtat						

<210> 297
 <211> 1445
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1017)..(1017)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (1441)..(1441)
 <223> n equals a,t,g, or c

<400> 297
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 cctccgcagc ctccgtcgcc tgacagaatc gcggcggttct tcgtaccgcc catcctccgc 180
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 cgggcctaca gcggcctgcg gcagaaatgc cctccgggc taggagcgac ggcgccggcc 300
 cgctatactc gcaccacctc cccacctccc cgctgcagaa agcgtgttg gccgccggct 360
 ccgcggcgat ggcgtcttat aaccctacc gccacgacat ggtcgcagtt ctaggggaga 420
 ccacaggaca ccgcaccctg aaggtcctca gggaccagat gggagggat ccagaggggtg 480
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 ttcagcggta ccgggagggtg cacgacatgc ttcacaccct gctggggatg cccaccaaca 720
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 gtcctcacag gagtgagggc tacacccaat tccaaaagcc tgagaagaga gaagtggagg 1380
 gggaggcgag tgtgtgaata aaggctccca tcaggtcaaa aaaaaaaaaa aaaaaaaaaa 1440
 naaaa 1445

<210> 298
 <211> 1633
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1599)..(1599)
 <223> n equals a,t,g, or c

<400> 298
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 ctaatatgaa aaacagctct acttagaaag ctactgcttg ggttttctta ttaggcatag 180

ttctccagac	tgagttgggt	ttactcatct	acatgatttt	tccttgccct	atggaacaga	240
aattcaggcc	cactcgaatt	cagttatttt	agggctcttt	aaaatccagt	atttggatt	300
taaatgatgc	ggagggactt	tcattacctg	tgtctttgct	tatttctctc	tggccctcag	360
aacaccccac	cctgaccttt	aggggaaatt	gacagaggca	gagggtttca	cctgcctcaa	420
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ttttcttctg	taatctcttt	ctggcagaac	atctcatggt	ttgatgttag	agattcagtt	660
accaaccaca	gtaaataaag	caaaataata	atagaaaaat	agtatagaact	caccctaaa	720
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tgggaggctg	aggcaggaga	atcgcttgaa	cctgggaggc	agagggttga	gtgagccgag	1560
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<210> 299

<211> 1889

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1859)..(1859)

<223> n equals a,t,g, or c

<220>

<221> misc_feature

<222> (1864)..(1864)

<223> n equals a,t,g, or c

<400> 299

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agggagaaac	tgtaatgttg	caatatgaac	ctccatttgg	gccttccata	gggaaagctg	360
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attgttcact	tgtaagaaa	agtaaatcct	taaaaaaaa	aaaaaaaaata	ccaatttttc	1800
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<210> 300

<211> 1406

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (294)..(294)

<223> n equals a,t,g, or c

<220>

<221> misc_feature

<222> (1336)..(1336)

<223> n equals a,t,g, or c

<400> 300

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cctacctata	ttatggcagg	cagagtggga	tatttaaggt	attgtctatt	ccanatctct	300
gcccttctca	ttttctaggg	rttgccctgc	attccattta	cactgttaca	cttagacgtg	360
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1406

<210> 301

<211> 1282

<212> DNA

<213> Homo sapiens

<400> 301

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ccactcagag	ggccacaccc	agcgatgcca	gtgaagggtg	cacagcctct	cttcagtttc	360
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gtttcagatg	cactttctgc	ttgcattgcc	gtatctgtgc	gttccttcat	cctggctctg	1200
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<210> 302

<211> 1053

<212> DNA

<213> Homo sapiens

<400> 302

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caacttggtg	gcctatcatg	gggcatgcca	tggggctggt	cctttcccta	ccggttccact	360
gcttgacctt	cgcttctca	gcaccttcaa	gccccagcc	tacgaggatg	tggttcaccg	420
cccaggcaca	ccaccccccc	cttatactgt	ggccccaggc	cgccccctga	ctgcttccag	480
tgaacaaacc	tgtgtttcct	cctcatccag	ctgccctgcc	cactttgaag	gaacaaatgt	540
ggaagtggtt	tcctcccacc	agagtgtccc	cccccatcag	gagggtgagc	ccggggcagg	600
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<210> 303

<211> 1238
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (19)..(19)
 <223> n equals a,t,g, or c

<400> 303
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 tagttcttgc agctgggtgt ggcggtgag gcggcatgga tctcagcgag ctggagagag 180
 acaatacag ccgctgtcgc ctgagttcgc ctgtgccgc ggtgtgccgc aaggagcctt 240
 gcgtcctggg cgtcgatgag gcgggcaggg gcccgctgct gggcccatg gtctacgcca 300
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 tggaccaggg cgtgaacgtc acccaggtat tctgtgacac cgtaggatgc cagagacata 600
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<210> 304
 <211> 1954
 <212> DNA
 <213> Homo sapiens

<400> 304
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 cttgagtaca gttccttga aaggacacaa ggggtttcat aaagcggtag taaaaatctg 180
 cttttctccc tagcatttac caacaacctt gcgatccgat ggcttgaaat aatggtcaga 240
 gtgcatgtta cccaacttct cctggctgct cctactctgt cacatgcac acagatcatg 300
 cccgccacca ccctacactc cccgacctca cccaccagtc agacagtta agtcctgctg 360
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tgtaaatatt	tgataagcat	gttccaagtt	ttcctgttct	aaaaacaaaa	acattaaaaat	1860
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<210> 305
 <211> 874
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (79)..(79)
 <223> n equals a,t,g, or c

<400> 305						
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gaggcctgtg	tctgtgccac	acctgccacg	gtggcagggg	ggtaccgggg	cagcatcgtg	360
gctcctgaac	ccagacccaa	tgcttagcca	aacgaatggc	tcccatgtgg	caagcacctt	420
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ggggtgtgtg	cccactgtgc	tcatcacagg	agcctcagtt	gagagtgagc	ggggtacagt	720
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aaaaaaaaaa	aaaaaaaaaa	aaaagggcgg	ccgc			874

<210> 306
 <211> 2206
 <212> DNA
 <213> Homo sapiens

<400> 306						
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ccaaactggc	ttgtctgtaa	tagaagtgac	tagctttgtg	tcttccagat	gggtaccaca	180
gatggctgat	cacactgaag	taatgaaagg	cattcatcaa	tatccaggag	ttcgctatcc	240
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acgaggggat	gtgtcttggt	ctctgggctg	tccatatgaa	ggaagtatta	caccgcaaaa	480
agtgcacaga	gtgtctaaga	aattgtacgg	catgggttgt	tatgagatct	ctctaggaga	540

cacaattgga	gtgggaactc	caggaagtat	gaaaagaatg	ttggaaagtg	tgatgaaaga	600
aatcccacca	ggtgctcttg	ctgttccactg	tcatgacaca	tacggacaag	ccttagcaaa	660
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tttgaatata	aattgaaaca	taaaaatgag	tattgtgaac	tttctcgga	atattcatta	2160
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<210> 307

<211> 956

<212> DNA

<213> Homo sapiens

<400> 307

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cagtgcgcta	aacctatgta	aacacttca	atagaactac	cctagaattt	agtgaagtgtg	180
agactgagat	attgctcaga	ataaatttat	tccatagcca	tttaggattg	catgttctgg	240
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<210> 308

<211> 2174

<212> DNA

<213> Homo sapiens

<400> 308

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tatttgaaat	gcagtgcctt	gtttggcaaa	gatttattta	atggtttca	tttctctgca	180
agaagaaaaa	aagcagatca	tcgaagctct	tattatttgc	actgtggcag	attcacttga	240
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<210> 309

<211> 1743

<212> DNA

<213> Homo sapiens

<400> 309

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aaa						1743

<210> 310
 <211> 1623
 <212> DNA
 <213> Homo sapiens

<400> 310						
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ctaacctgag	aaaattgctc	tcctcttcca	agcctttatt	ttgtattata	tgagatttca	240
ctgcttcttt	tctctgttct	tgaaatttct	gttctgttga	tgtgaatcca	caatatttat	300
cccccaaatc	tccttaatac	cttttaatta	tattttccgt	gtcttcattt	tcactgcaca	360
tgcaaaaaaa	tttctcaaac	ctttatattt	gtaacttat	tttaatttca	caaattttct	420
tacttttaga	ctcttccatt	ttcatagcag	cctcaagtta	atggaaaaat	gtaatatcct	480
caaaactctc	taagaatatg	acctattatt	ttgtatgttc	agttctattc	tttgaattat	540
ctgtttcttt	tgagttgggt	tgttctgttg	tcaccacgtc	acttgatttc	tgttgactta	600
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atattctata	tcatagcatg	catagcaggt	ttgattgaat	ttgatttttt	aaatcataat	1560
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aaa						1623

<210> 311
 <211> 825
 <212> DNA

<213> Homo sapiens

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<400> 311
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atgacgagaa caagtctgtg gacgaagaag atgggggcga cggccaggcc gggcccgacg      180
aggggtaggt gggactcctg cctgcggcaa tgatccttgc attcaccgcc ctccccaccc      240
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ccggcgcgga gctgcctctt caacctgcgg cttaacctgt ctctttggga tcgcccgcctc      360
tgaaaaggca agggggaatc ccccgtttcc taccagtcg gcaggaaacg cgaaggtccc      420
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cccgaatgcc tgcctgcctc gggaactggg cccgcgggcc gcgccctcg ggcgctttgg      540
ggaagcggtc ccttgctggg ggggaaggct ggtgcggaac gccttagttt ttcttcttag      600
aactctgatt tcctggggtc acattagctc cagaaatttc tgattgtggg gaacctgcat      660
ctttccttag tggttttgtt ttttgtttgt ttttgtttat tggtagcggt aacgtagttt      720
attccttacc gggggcgggg gggagatggg actgttcgaa aattgagggt ccctgtgctt      780
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<210> 312

<211> 1662

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (382)..(382)

<223> n equals a,t,g, or c

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<400> 312
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aagtcaaatc tgaaattcac attccagacg tggagcccgc agcctttctg atcctcttaa      180
agtacatgta cagtgatgag atcgatctgg aagccgacac ggtgctggcc actctgtacg      240
ctgctaagaa gtacatcgtc ccagcattgg caaaagcctg tgtcaacttt ctggagacaa      300
gtttggaagc caagaacgcc tgcttcctgc tgtcccagag ccggtctgtt gaggagcccg      360
agctgacgca gcgctgctgg gnaggtcatt gacgcacagg ccgagatggc cctacggtcc      420
gaagcttctg tgagatagac cggcagacgc tggagatcat tgtcactcgg gaggccctca      480
acaccaaaga ggcggtggtc ttcgaggccg tctgaactg ggccgaggcg gagtgcgaaga      540
ggcaggggct gccaatyacc ccacgaaaca agaggcatgt tctggggcga gccctctatc      600
tgggccgaat tccaaccatg accctagagg agtttgccaa cggsgctgcc cagtcagaca      660
tcctgactct ggaggagacc cacagcatct tcctgtggta cacggccacc aacaagcccc      720
gcctggactt tcccctgacc aagaggaagg gcctcgcccc gcagaggtgc caccgattcc      780
agtcttctgc ctaccgcagc aaccagtggc ggtacgcgg gcgctgcgac agcatccagt      840
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ggttggtact tcctgtactc ctcttgattt ctaagtgggt ccaagcttaa cttgagacct      1560
tcccttcaaa tctaaaattg gcaaaaagtc acttaaaata gtggacttct gtaataaagg      1620
ttgcctaaaa taaaaaaaaa aaæaaaaaaa ctcgaggggg gg      1662
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<210> 313
 <211> 829
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (8)..(8)
 <223> n equals a,t,g, or c

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<400> 313
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agtcacttca ccattctcag gatggaagtg gggatggagg tggcatcggc ctcatctgaa    120
ccacatggac taagaggggc tatgggagta ttcccaaaag gaagactgag gggcgttact    180
agaaaatggg agaatggaag cagagtgggc aaaaccaaca gatgttcctt atagtaaata    240
aaaaatttgg acaattatta gtgagcaagt acttataaca tatatggcac atgggattgt    300
gactcaccag tgtgttagca caatatgttc aaaaacctct gatccaattc aacctactca    360
tcttaacgat tttatcagca tttataaagt ttgttttggc catcatgtgt tatagttttg    420
tttgtggttt tgacacctca ttagagggtt catcagtgtg aggagccaac ctaaggctc    480
ttctcacaag tttccaaga gagaaattgc ccctccaaat gtgaggagtc tcactttata    540
tagatagcat ccacacttct tgcagtggaa aacaaacctt ataaaatgta atacgtttgg    600
tttcctaact tttcatgac cctggggtgg tagaagggaag tgcaagtttt atcacttgga    660
tttagagaca aggaaattga aatggagaga gaattgggct cacatgcagg cagcatgtct    720
agctgcctcc atcgtgtgat ctgaggcacc ccatgaggcc tatgattact gtaaacctct    780
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<210> 314
 <211> 1247
 <212> DNA
 <213> Homo sapiens

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<400> 314
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ctaaacattt gaaaataattt gaaataaaaa aattacctgt ttttaagtga caaaaattat    180
taatttataa gttacttagg aatgttctca ggtgcaagta acagatgaca caaacacagc    240
agattgaatc ggcgatggta caattttctc atgtaacata aatgcagcag ctgcatttgt    300
tgggtggctc agtggccttt tgggcttttc cttcatgggt gcaagatggc actactccaa    360
ctcaagcatc atgtttgtat tcaagacaga aggaaaggga gacggtttg atcagtcact    420
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ctttgctcag atgttattgg gcagagcttt tttgtgtgtg tagtgtctaa tggttgcaag    540
ggaggttggg aaaaatgatt cttttttttc tggcttttat agtgaagca ggcaaaagat    600
tagttgggtg tagttgttgg gtttagccgt catcatgctc tgcccctaag tgctcagaat    660
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tgttttttgt ttttagatac agctataatt ttattacaaa actgttcttt tggcattagt    780
tagttacagt gatagcaaga taatgtgagt gtgcagactg gcttgatgg aaccactgta    840
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agttattact gctacaaatc ttgacgcgtg taccgctgag ggaggagctg atgctaaggg    960
atgtgattac atgttgataa gactacaaaa gttcgtttat gggacttttt cttcctcttc    1020
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gcacccaagg agcgtcagtt cttgttaaaa agcaatacct gtgtgatgca tttttacgcc    1140
acaggcaaaag ggaaggatca ccctcatttt aaactcctgc agagtccttt aataaaatat    1200
caaagcattc caaaaaaaaaa aaaaaaaaaa aactcgagg gggggccc    1247
  
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<210> 315
 <211> 1282

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (907)..(907)
<223> n equals a,t,g, or c

<400> 315
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tcattctacc caactgattg agacagaaca gaagataaac tgaaacttct ctgccttccc 120
gctgcaagag tgaatgagcg atccctctca actgactcaa aatgtttgcc tcaccagga 180
gatggagctc tcgaaggcct tctctggcca gcggacactc ctatctgccca tcctcagcat 240
gctatcactc agcttctcca caacatccct gctagcaac tactggtttg tgggcacaca 300
gaaggtgccc aagcccctgt gcgagaaagg tctggcagcc aagtgccttg acatgccagt 360
gtccctggat ggagatacca acacatccac ccaggaggtg gtacaatata actgggagac 420
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gagagaaaaa cctatgggta tccctgggaa cgcagatcac ctacatcgga cttcaattca 600
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agagcagtgtaggtgt taggagttaa gcgggttttg ggagtaggct tgagccctac cttacacgtc 1200
tgctgattat caacatgtgc ttaagccaaa aaaaaaaaaa aaaaaaaaaa aaaaaaactc 1260
gagggggggc ccggtaccca at 1282

<210> 316
<211> 806
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (25)..(25)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (29)..(29)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (37)..(37)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (44)..(44)
<223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (143)..(143)
 <223> n equals a,t,g, or c

<400> 316
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 ggcggccgct ctagaactag tgnatcccc gggctgcagg aattcggcac gagcggcacg 180
 agcgcaaagc catcgtggac aagtttggcg gggcagcttc cggccccacg gccttggtcc 240
 gcaacactaa ggcagccggg gcagccattg gtggtgtcaa gaacatgctc ttggagtggg 300
 gccgagccat gacaaaaaaa tacgagcatg tggacatcca gaacttctcc tccagctgga 360
 gcagtgggtat ggccttctgt gccctcatcc acaagttctt ccctgacgcc ttgactacg 420
 cagagctgga tcccgcaaag cgccggcaca acttcaccct ggcttctcc acagcagaga 480
 aactggctga ctgtgctcag ctgctggacg tggatgacat ggtgcggttg gctgtgcccg 540
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 tgggtgaagac caagaagaag tgaggaggtg actggctctg tgggcagaga tgggcagggt 660
 gccagctca gcagccacgg cccgggggtt cccttctgct ccatggaggc accagagcca 720
 ggggcttagg caagggtgtg tggcgttggg tttaactgca ttaaaagtac ttttgtaaaa 780
 aaaaaaaaaa aaaaaaaaaa ctcgag 806

<210> 317
 <211> 981
 <212> DNA
 <213> Homo sapiens

<400> 317
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 tgccattat ccaaatgcag aacctctgca tctccaagcc agttatgctg aatttgtcaa 180
 acttagacac ccttgacaac tgcactccta ctgtaggctc ctgtgcatac tgtcgtcttc 240
 tgtgggggat ggagaggtta gtgtgatgag gtggtgtctg cccaggagggt ttctttcaaa 300
 catcatggcc tcccattcaa tcaacatcat caaattacat gtgtaataca ggctctgtgc 360
 catgggggaa atgaatcatt tagctaggcc aggatctgt gaaagccaca gagttaaaaa 420
 ccatgaaaga agttgaaggc agcatctctc agctctgtga cttgtgacct tatttgaagt 480
 ttcaggattt ggggtgcaca aaggattgtc cctaatacctt ggccctgggg tcttccgagt 540
 gagctggttt aatactctga gaatgagcag ggagatccag agaataatc cctgaccgca 600
 tcacctaaac tgtcttccaa acatgagaca aagctgactg ttcacactga ttgccagca 660
 cataccgtct tgccagtttc ttcttttctc ccagtctcct gttcatccat tctgttctcc 720
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 ccaaaccaaa ggtctcacta ggaaatttat dgttttaaa acattgcttc cttcctggct 840
 ctgctaaatt gaatgctcat tgtttgttgt tgtttgtttt taatttctaat gttcaaaatc 900
 ctgctgtctg tatgaatcta gaaagcctta atttactacc aagaaataaa gcaatatgtt 960
 cgtaaaaaaa aaaaaaaaaa a 981

<210> 318
 <211> 1523
 <212> DNA
 <213> Homo sapiens

<400> 318
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 gaggcacctc ctacgtctgt tttctggctg tgggtgacttg ggatttttaa cttatatat 240
 ctttttcctt tactcaaaac aaaacaattt ttagcacact gaaaaaaaaa aaaagccaaa 300
 tgttttgtgc ctttctaagg cagcactgta tcccaggctg catttttagga cttaatatgg 360

aaataaccaga	gtctgagctc	ctctaccttg	agtttcatta	gtccttagtg	tctaggagac	420
aggaaagaat	gctctctgtg	actggagagg	tgacatgcag	gtgcagtggtg	tctggagtcc	480
ctttcccctg	ctgtgagact	tcagtggagg	agagaagcat	tgtaccctgg	gatcatttgg	540
ttggttccaa	tcacaagctt	agtttcagg	ttgcatgcct	tgtctcctgc	aaaagacaga	600
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attaattacc	tagttgtgtc	gaggagtata	ggatggactc	tcctgagaag	gggaggttgg	720
tggtcttgtc	ttttcttttt	gctggatcct	gaactggtct	agacctcctg	ccccoaccc	780
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<212> DNA

<213> Homo sapiens

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ctcagcttcc	ctcccaggat	cagtttctac	acaactctgt	gtggcttttg	gacaaattaa	1320
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<210> 326
 <211> 1318

<212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (557)..(557)
 <223> n equals a,t,g, or c

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<400> 326
ggcacgagaa ttaattgcc a gccttggtc acactgatga gtgtgctcat tggagagact      60
cagcatgcaa aagaaaagac tcatcaatth gcagttatth aatttcacga actgccggat      120
ggtggagtca gtagcagcgg ctgggccgca acatggcgcc tcccacctag acttccggtc      180
aggaaacttc caccttcctc cgatttacgt gggcctgcat gaggcctactt ctcttcttat      240
tctagtacca gtggcctctg ggagtcttgg tccttcttac tggaatagcc ctctctctct      300
gttacagagg caataattct ccagccttcc ggtcgccgcc aaagcctcct gcctaatac      360
ttcctgtatt gtctccctgc ggctctttgc acagaattg ggctccgtcg tctctggatt      420
cttactgatc tcttcctctt ctcccaaccg ccttgatcat tctctttgag ctatgtcagg      480
aggaacggaa gggcactttc ttactacttt tgttagccaa acggacaaac tgtcccctcc      540
cctttgttgt aaccacncat tcaaggcttc cttcagtcga gcccatctc ccttttcgtt      600
gcctcccttt cactactcca aatgagcttg ccatacttta aacgggtctt gtactttctt      660
atcccttctc tggaaatgtca tttctactga agaaaatcct actcttccct caagaccctt      720
ctttaatccc ctcttgccat ggaaacttga gattttcatt gaggagctaa gttggaaaat      780
ataaactaga gctgagtctc taccctggca ctattgacat ttggggccag attattcttg      840
gttggggaga ctgttctgtg cactgtagga tgtggaacag cctcccaggc ctctacctgc      900
caaaagcaca ctcccctttc cccaagtggg gacaaccaac tgtttccaga cattgccaga      960
tgtcctgagg tgggagtgag ggtgaacaga attgcctccc agctgggggc tgctggacta     1020
atcaacaaga agtggcaagg actgcaggca aattgcctca gcacttagat ttagcactgc     1080
aaggccactt cgacaggtgg tagtgatttg tgcgtctcat ttcctattct tgattgtgac     1140
aagggttctg aggatggaga cagctacccc tgccacagtt cccacaggct atgttgataga     1200
tagggcttca tatttaacat gtgaggaat gaaacacatg agcccagtg ctcttcagga     1260
cggcaaggcc tacatcaaga tggtaaacct tcagttctta aaaaaaaaaa aaaaaaaaaa     1318

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<210> 327
 <211> 1260
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1203)..(1203)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (1235)..(1235)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (1241)..(1241)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (1246)..(1246)
 <223> n equals a,t,g, or c

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<400> 327
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tggcgtgtta cccaggcaac gggctcgggt acgtaaggca cgttgacaat cccacggcg      180
atgggcgctg catcacctgt atctattacc tgaatcmaa ctgggacgtt aaggtgcatg      240
gcggcctgct gcagatcttc cctgagggcc ggcccgtggt agccaacatc gagccactct      300
ttgaccgggt gctcattttc tggctctgacc ggcggaaccc ccacgaggtg aagccagcct      360
atgccaccag gtacgccatc actgtctggt attttgatgc caaggagcgg gcagcagcca      420
aagacaagta tcagctagca tcaggacaga aaggtgtcca agtacctgta tcacagccgc      480
ctacgcccac ctagtggcca gtcccagagc cgcattggcag acagcttaaa tgacttcagg      540
agagccctgg gcctgtgctg gctgctcctt ccctgccacc gctgctgctt ctgactttgc      600
ctctgtcctg cctggtgtgg agggctctgt agtttctga ggaccaagga ggagaagaga      660
cctttgctgc cccatcatgg gggctggggg tgtcacctgg acagggggca gccgtggagg      720
ccaccgttac caactgaagc tgggggcctg ggtcctaccc tgtctggtca tgaccccat      780
aggtatggag agctgggagg aggcattgtc acttcccacc aggatgcagg acttgggggt      840
gaggtgagtc atggcctctt gctggcaatg ggggtgggagg agtaccacca agtcctctca      900
ctcctccagc ctggaatgtg aagtgactcc ccaaccctt tggccatggc aggcacctt      960
tggactgggc tgccactgct tgggcagagt aaaaggtgcc agggaggagca tgggtgtgga      1020
agtcctgtca gccaaagaaat aaaagtttac ctacagagctg camaaaaaaaa aaaaaaaaaa      1080
aaaaaaaaaa aaaaaaaaaa aaggggcgcc gctcttagag gatccctcga gggggcccaa      1140
gctttacgcg tggcatgcga cgttcatagc tcttcttccc tttaaagttga attcgttatt      1200
tanaaagctt aggcattggg ccgtcctttt tttanaacgt ncgtgnactg ggggaattt      1260

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<210> 328
<211> 1915
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (490)..(490)
<223> n equals a,t,g, or c

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<220>
<221> misc_feature
<222> (1899)..(1899)
<223> n equals a,t,g, or c

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<400> 328
ggcgaagagg ggcgsaadkc rttgcgtttt gagtctcggg acccctgttg gagagactat      60
ggcgctcaac aagaatcact cggagggcgg cggagtgatc gtcaataaca ccgagagcat      120
cctaattgtcc tatgatcacg tggaactcac attcaatgac atgaagaacg tgccagaagc      180
cttcaaaggg accaagaaag gcaactgtcta ccttaccctt taccgggtat tctttctgtc      240
caagggcaag gatgccatgc agtccttcat gatgccattt tatctcatga aagactgtga      300
gatcaagcag cccgtatttg gtgcaaaacta catcaaggga acagtgaagg cggaagcggg      360
aggtggctgg gaaggctctg ctctctacaa gttgactttc acggcagggg ggcgcattga      420
gttcggacag cggatgctcc aggtggcatc tcaagcctcc agaggtgaag tccccagtgg      480
agcctatggn tactcttaca tgcccagcgg gscytatgtc tatccccgcg cagtcgccaa      540
tggaatgtac ccctgccctc ctggctaccc ctatccaccg cccccacctg agttctatcc      600
aggacccccc atgatggacg gggccatggg atacgtgcag cccaccac cgccctaccc      660
tgggcccattg gaacctccg tcaagcgccc cgatgtcccc tccactcctg cagccgaagc      720
caaggccgca gaagcagccc ccagcgcccta ttacaacca ggcaatcctc acaacgtcta      780
catgcccacg agccagccgc cgccacctcc ctactacca ccggaagata agaagacca      840
gtaggccctc ctgcctccct gcctcccacc ctcatctctc taccctaccc ctcccatcgg      900
ggctgtgctg gggcttgggg aggggagggg ggccttgtt ctccctccag gtctgatcat      960
aaacaattac caggaaactag cattgtggga cattagggcc cccggcctcg ggagaggtgc      1020
cgcccagctt cccatgccag cccggagccc acagtgtgc ccagcgtacc tccctcaccg      1080

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tctggggctc	ttctgggagc	acggagcatc	ccctgttcc	gtttcactct	cagcttctcc	1140
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caactgctaca	ctcagcctca	tgagccactt	cagaccagcc	aggtgtcttc	ccggggccctg	1260
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tgtttctgga	atttgcttcc	cctcacctct	cacttccttc	tagaaggagc	ttcctgactg	1560
gaaccagaga	atgcatgtct	gtccacttgg	tggtgctggt	gtggggccgg	gaacaagggc	1620
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aagctttgtg	cccctggatg	cgctaacatt	cactcttgtt	tgtccctgga	ctggccatga	1740
agtgaggaga	tggttattta	aagagaattc	cctatttatt	tgacaaaaaa	tccagttaat	1800
atattaatgt	gaaataaacc	ctgtttgac	ctcgatttgt	ttgctgaaaa	tgtgaaatag	1860
taaaaatgaa	ataactggaa	aaaaaaaaaa	aaaaaaacnc	aagggggggc	ccggt	1915

<210> 329
 <211> 1070
 <212> DNA
 <213> Homo sapiens

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ggtgttgggg	gcacaacct	actccccgaa	aagtcgaaaa	cccgattcag	ttcctgagag	180
tccctcttag	aatccagacc	gagcatgggg	agaaaaactga	gctctccgac	cacacccagg	240
gacatgctgt	tgctgcccac	actgcgtcct	cggaggcggg	gtctggagtc	ctctgtggac	300
gatgcgggct	gtccagacct	tggaaggag	ccgcttgttt	tccagaaccg	ccagtttgcc	360
cacctgatgg	aggaacctct	aggcagtgac	ccattcagct	ggaaactccc	aagcctcgac	420
tacgaacgca	agaccaaagt	ggacttcgat	gacttctctc	cagctatccg	gaagccccag	480
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atccactttg	aaacggaaga	rgctaaccgt	tcttttctct	cggggatcaa	gaccattttg	600
aagaagagcc	cggagcccaa	ggaggatccc	gtcaccctgt	ctgactcgtc	ctcatcctcc	660
ggctccatcg	tgctccttcaa	aagtgtctgac	agcatcaaaa	gtcgaccagg	aatccacaga	720
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cctccttgaa	gctgcccttg	aagacttccc	gactctacaa	taacttgagg	acagagagac	900
tggccaggcc	tccccgggtg	ccakagccag	ccagcatggc	caccctcaag	ggcgagatg	960
agcccacaga	ggcatatcct	gcggggatgc	tgggctccca	gtgtggttgg	cctgaacaaa	1020
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<210> 330
 <211> 1159
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (584)..(584)
 <223> n equals a,t,g, or c

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tgccctcccg	tcttgccctg	tgccctctatg	tcagtgcctt	cctgggttag	gagacccgga	180
ccggagacaa	gccaggccct	gcagacccca	gagcgggctgg	gaacagtgtc	tggaatgggg	240
ccttttgac	tcgcccggcc	aagcctctcc	aaaatggatt	ccactgggtg	gggctgggac	300
ctggagcaag	gtgccggccg	acgccccac	agggttccca	tgtttcaggc	tcttgccctg	360

gcctttcttt	ctggactgca	gctcagcttt	gttgccctgtt	caatctactg	atttgtttct	420
ctggaatttg	gggtccaagg	ccctgactat	gaccaggatg	ccccagtcct	ttgctctaac	480
ccggctacag	aagtgaacca	caggsccaca	agaaccacag	acagggaccc	ttcamcccca	540
cggttagccc	aggggctcta	gagctcacta	gccaataga	ggnctagac	aagattcttt	600
tccaaatata	aaaactcctg	gcagttcctc	agggacaggg	tctgagcagc	agtgaatcag	660
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ggaggcaatt	ctcagctgag	cccaggcctg	agacccttgg	tgtcttaact	ccaccactca	780
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ttcctcattc	tcttccacca	acctctgtct	tgccaccttc	aggcagggct	gaagtcttcc	1020
ttttcacaaa	acaattatta	aacctcttta	agtctactga	acgttgcccc	tgctctagtg	1080
tctagcacca	gaccagtagg	tgcttaataa	atgttaatgg	attcaattta	aaaaaaaaaa	1140
aaaaaaactc	gtagggggg					1159

<210> 331
 <211> 1006
 <212> DNA
 <213> Homo sapiens

<400> 331						
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tgtgcctggc	ctttgtattt	ttgtcatata	ttttatttcc	cagtattata	gactccagaa	120
tatgttggtg	ttattgtttt	aaaagtcagt	tatctcttta	gttttctttc	agaaaaatta	180
aatgggtgagt	ttttttgttt	gtttgtttgt	ttgttttgca	tggcccatgt	atttaccatt	240
cctgggtgctc	ttccttcttt	tgtgtggatt	cagttttcca	tctagtatca	tttctgttct	300
ggtaaaaagca	tgtttgacat	ttcctgtagt	atgcttgctg	gtgacacatt	cttctcagc	360
ttttgtctga	aatgccttta	tttcaccatc	atttttgaa	gatgtttttg	ctgggtatag	420
aattctaggt	tggtagtttt	tgttattttt	cagcattttt	aaggtagcat	ttggcttgta	480
catgttggtc	ttgagaattc	tgcagttatt	ctttgttcca	ctgtatgtaa	taatatatgt	540
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atgatgtgtc	tttgtgtggt	tttctttgtg	gtttttttcc	tgtggaattt	attcaacttc	660
tgggatctgt	aggttatagt	tttcacaaa	tggaaatttt	tgacattact	tcttcagaca	720
ctttttctgt	cttcccctcc	atcattctgg	gatttgattt	acatgtatac	agtaactgtt	780
gttgtttcat	agtgacttaa	ctgggtaggg	gaatgtctgg	ttcccttact	atccggtgaa	840
gtagcagaac	caccttttgt	aggaatcagt	tatcaggccc	tttactttcc	cttgaactct	900
aggctagttc	cagaaccttt	ggtggactgg	aaagaggaaa	tagttatgcc	acaattttta	960
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<210> 332
 <211> 1160
 <212> DNA
 <213> Homo sapiens

<400> 332						
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agatgccttt	ytttggaat	acgttcagtc	cgaagaagac	acctcctcgg	aagtcggcat	180
ctctctccaa	cctgcattct	ttggatcgat	caaccgggga	ggtggagctg	ggcttggaat	240
acggatcccc	gactatgaac	ctggcagggc	aaagcctgaa	gtttgaaaat	ggccagtggg	300
tagcagagac	aggggttagt	ggcgtgtgtg	accggagggg	ggttcagcgc	cttcgcaggc	360
ggaaccagca	gttggaggaa	gagaacaatc	tcttgcggtc	gaaagtggac	atcttattag	420
acatgctttc	agagtccact	gctgaatccc	acttaatgga	gaaggaactg	gatgaactga	480
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gagaccacaa	ggcactggca	cccttggtgt	ggcaatagaa	ggtgacatgg	aatggagaaa	660
accaagattc	cagatgggga	tagtaactag	aagggtgctt	agatgcactg	cctgcgggtg	720

ccagtctgaa	aaccagacg	cacagaggcc	tggggctgct	gatgagcttt	ttggtgctct	780
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aagcggctgg	agttcattct	ctcaccacct	tatgttgggtg	tttggcgtgt	gacagcagtt	900
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ttctcagcag	caagcaccag	ccttccacaa	caacactata	tttttatgct	actttcctgt	1080
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aaaaaaaaaa	aaaaaaaaaa					1160

<210> 333
 <211> 1258
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (161)..(161)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (245)..(245)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (364)..(364)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (408)..(408)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (440)..(440)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (1210)..(1210)
 <223> n equals a,t,g, or c

<400> 333	
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atggccagct	ggatctgtgt
gtctgtatc	ctgcgttccc
agaccaaggc	caacctcctc
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gcatctcgc	cagtcagtca
gtantcccag	ctaaccctca
gcattgaata	agtcatttan
cattttatag	gcgagaaact
ggtttgaccc	atctcctggt
ttgtgtctgag	ttaggacccc
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ccctcctggg	nccagccagc
gacctgtcct	tctacctctc
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ctctggagaa	gagcagaaa
actctgtgtc	agaatctntt
cctgcaagga	gtaggtgata
gttgtaaccc	
gagttaagtg	accagcaagt
gtggagtcca	gttctctcag
ccttactgat	ccttctctgat
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aggacctgtg	tctactgttc
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tgggggattt	ggagaaccca	ctctgccag	agatgtaagt	catcttkggawatagatgag	780	
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ctcraagtgg	tgggtgtagt	taatgtctat	gtggttagac	gttaaccagt	tactctgtgg	960
tgccaggcac	tgtcttaggc	acgctatagt	tatcattgtc	tcctttggtg	ccccagaca	1020
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agtaggtggc	tttgttcaaa	tcacagacct	aggccaggta	taaaagccta	agtgtggtgt	1140
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agcctgggcn	acatagttag	accctgtctc	tacaaaaaaa	aaaaaaaaaa	aactcgag	1258

<210> 334
 <211> 1200
 <212> DNA
 <213> Homo sapiens

<400> 334						
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aactactata	ggcagtgatt	ctaagaagat	gctattcttt	ttttccattg	ctttgtctag	120
ttttttttt	ttaaactctgt	ttttgtgcct	ttgtaattct	agggttattg	gtatagttct	180
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cacttgaggc	caggagtctg	agaccagcct	ggccaacatg	gtgaatcccc	gtctctacta	420
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tattttcaga	cacttgttat	gtgcaggttg	tttggcatat	atttttaaaa	atctttataa	840
taccattttg	aattaaattc	tatccccatt	taacaaatga	ggaggtgggt	tctattctta	900
agtaactttc	ccaaaatcac	tcaattaagt	ggcaagggtg	ggatttaaat	cgaagcctat	960
actctttcac	ttgtttccaa	agatgccaaa	ctcaaaatgt	ggctaaacag	taaatcttga	1020
gcaaagaaat	gatttactag	gaagcagcac	aatagaacat	actggatgta	ggaaatgtta	1080
tatatcttga	tctcattggt	ggtaacacaa	gtatacatat	atgaaaaaag	tagttttatc	1140
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<210> 335
 <211> 1652
 <212> DNA
 <213> Homo sapiens

<400> 335						
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cacagatttta	attctggcca	atgaatatga	gaagaaatga	gaagggtgga	aggtgtctta	240
gtctactttt	tgctgctata	ataaaaaatac	catatcattg	ggtaaattat	aatgaagaga	300
aatttatctc	atggagtctt	ggaggctggg	gagtcctcaa	atcaagggtg	tggcatctgg	360
tgaggagctt	cttgctgtcc	accccatggt	ggagggtgga	agggcagaaa	gagagagagg	420
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<210> 336
 <211> 1981
 <212> DNA
 <213> Homo sapiens

<400> 336						
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attatacatt	tgcattcaag	gtacctttaa	gcgatttttt	aaaaaaaaat	ctgactctaa	1920
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a						1981

<210> 337

<211> 1594
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1090)..(1090)
 <223> n equals a,t,g, or c

<400> 337

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tcttrtgwtg	cagctgttgc	tgatccctgt	agagtaaagt	acacactgaa	ggctatggca	180
atgatctacc	gttccagctt	cctctaggaa	gggagtttga	caaataaaaat	gctagtgaac	240
tggagcacag	tgagcaaggg	ggaggtggca	tgagctgagg	acacagtggg	caggccagaa	300
cacacaggcc	tggacatcac	ctcaggaact	tgcatgttat	ttggagcata	atggaaaacc	360
attagaaagt	tttagggagt	ggttatgatt	tcatthtttt	atathtttata	aagatctttc	420
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tagagttatt	gtgaggattg	gttgagatgt	atgtgataga	ttatctggcacaa	agtaagg	540
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gcctctagaa	ctcatcccaa	gccggcccca	ttctctggct	ccctgtacat	cctgcctttc	780
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<210> 338
 <211> 1640
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1639)..(1639)
 <223> n equals a,t,g, or c

<400> 338

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aataagagcg	tccacgcac	atggacctcg	cgggactgct	gaagtctcag	ttcctgtgcc	240
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tcactctcct	cctctggccc	attaacaagc	agctcttccg	gaagatcaac	tgacagactgt	360
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attatcggct	ggatgtggtg	cttcaccagg	atggtcttct	gttcgcgcaa	gtgggagcag	480

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gtggcccg	ccaaggggt	gcctcgctc	aagcatcacc	tggtgccacg	aaccaagg	660
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<210> 339

<211> 776

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (501)..(501)

<223> n equals a,t,g, or c

<220>

<221> misc_feature

<222> (763)..(763)

<223> n equals a,t,g, or c

<220>

<221> misc_feature

<222> (767)..(767)

<223> n equals a,t,g, or c

<220>

<221> misc_feature

<222> (772)..(772)

<223> n equals a,t,g, or c

<400> 339

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<210> 340
 <211> 1860
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (821)..(821)
 <223> n equals a,t,g, or c

<400> 340						
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aagtcagact	aatccttcaa	gtcttttgag	aaacaggtct	tctgcattag	ctgaggggca	180
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cagatgagct	tacaagtatt	gaaataatta	ctaattaatc	acaaatgtga	agttatgcat	1800
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<210> 341
 <211> 2078
 <212> DNA
 <213> Homo sapiens

<400> 341						
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<210> 342
 <211> 1257
 <212> DNA
 <213> Homo sapiens

<400> 342						
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<210> 343
 <211> 1992
 <212> DNA
 <213> Homo sapiens

<400> 343

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<210> 344
 <211> 1973
 <212> DNA
 <213> Homo sapiens

<400> 344

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tggtgccatc	gccattggag	acttggtaaa	gagcaccttg	ggacccaaag	gcatggacaa	240
aattcttcta	agcagtggac	gagatgcctc	tcttatggta	accaatgatg	gtgccactat	300
tctaaaaaac	attgggtgtg	acaatccagc	agctaaagtt	ttagttgata	tgtcaagggg	360
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<210> 345
<211> 1921
<212> DNA
<213> Homo sapiens

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<220>
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<222> (1876)..(1877)
<223> n equals a,t,g, or c

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<220>
<221> misc_feature
<222> (1897)..(1897)
<223> n equals a,t,g, or c

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<220>
<221> misc_feature
<222> (1916)..(1916)
<223> n equals a,t,g, or c

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<220>
<221> misc_feature
<222> (1919)..(1919)
<223> n equals a,t,g, or c

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<220>
<221> misc_feature
<222> (1921)..(1921)
<223> n equals a,t,g, or c

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<400> 345

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<210> 346

<211> 1211

<212> DNA

<213> Homo sapiens

<400> 346

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<210> 347
 <211> 820
 <212> DNA
 <213> Homo sapiens

<400> 347						
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<210> 348
 <211> 1441
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (269)..(269)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (420)..(421)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (1439)..(1439)
 <223> n equals a,t,g, or c

<400> 348						
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c						1441

<210> 349
 <211> 1140
 <212> DNA
 <213> Homo sapiens

<400> 349						
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 <223> n equals a,t,g, or c

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<210> 351

<211> 989

<212> DNA

<213> Homo sapiens

<400> 351

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<211> 1117

<212> DNA

<213> Homo sapiens

<400> 352

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<210> 353

<211> 1187

<212> DNA

<213> Homo sapiens

<400> 353

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<210> 354

<211> 1652

<212> DNA

<213> Homo sapiens

<400> 354

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 <211> 1460
 <212> DNA
 <213> Homo sapiens

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 <211> 1105
 <212> DNA
 <213> Homo sapiens

<400> 356						
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 <212> DNA
 <213> Homo sapiens

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 <211> 3342
 <212> DNA
 <213> Homo sapiens

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 <222> (2005)..(2005)
 <223> n equals a,t,g, or c

<400> 358

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3342

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<212> DNA
<213> Homo sapiens

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<223> n equals a,t,g, or c

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<222> (895)..(895)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (928)..(928)
<223> n equals a,t,g, or c

<220>
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<223> n equals a,t,g, or c

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<210> 360
<211> 1054
<212> DNA
<213> Homo sapiens

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<222> (89)..(89)
<223> n equals a,t,g, or c

<220>

<221> misc_feature
 <222> (149)..(149)
 <223> n equals a,t,g, or c

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gaccatgatt acgccaagct ctaatacgnc tcaactatagg gaaagctggg acgcctgcag      180
gtaccgggtcc ggaattcccg ggtcgaccca cgcgtccgag tgacactact gacttggctc      240
taccacctga aatgccgatt ttgattgatt tcctgctctt gaaagacatc cttgggcccc      300
cgatgtatga aatggagggtg attcattctt tttatttctt tttgctccag tcaatgaaag      360
gaacacttta ttgaggcccc agggccgtag ggcctgggca ggaggctgcc ctttggggaa      420
ggaatagcct tattcgacct tctttttggg acgcagggtg ttggtgtggc cgcacttctt      480
gcagcagttg actgcatggg ggcgagggcg agcacagctc ttgtggcaca tcatcttctt      540
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actccattct catttttttg ttggtactca ctggtgtact caggtgggtg cttaacagg      900
aagtaaaatt ggatgtttcc agaggctgaa ttttgcctta agatggaamc tttatttcta      960
aaaaaaaaaa aaaaaaaaaa aaaagggcgg ccgctctaga ggatccaagc ttacgtacgc     1020
gtgcatgcga agtcataact cgtctatagg aatg                                1054
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<210> 361
 <211> 876
 <212> DNA
 <213> Homo sapiens

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aactaaagca tttgtttatg agttgacttg agagaagggc tgatctcaga gccgctttg      180
gctaagttgg attagtcaca ctaggaagtt aattccacac ctttcgtcta agtctcagta      240
ttgaggcctc tccagttctc atgcaccctg atcttagggg tagaatactt gaccctgata      300
cctgcaccat gcttcattgg tcttgagctc tttctcctgt ttcatttgag cctccaaact      360
acatatttgg tcatattgcc tgcctacccc atgcctgctg cagaaatatt catccagggt      420
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caaggatact gtcccttatt tgaaggcatc taaagagaaa ctgttttcag atccaagtgc      540
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tgacaggaag ctcagttcag taccataact acagaacctg tcatctgtat tttttgttct      660
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ttacaaaaat aaaacgcaca gatttttaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaatt      780
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<210> 362
 <211> 1827
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (601)..(601)
 <223> n equals a,t,g, or c
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<221> misc_feature
<222> (918)..(918)
<223> n equals a,t,g, or c

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<220>
<221> misc_feature
<222> (1825)..(1825)
<223> n equals a,t,g, or c

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attgtgggag tggggaataa acctcatctg gggatgggaa ataaacacca ctataaagaa      180
accactaaga ttggaatgcc ttgcttggtt taagtttggt gatgcaggta ttgcattgat      240
tatgcatcag ggaactggaa accaaggcat tcgttcctt aagaaaatag attcttaagc      300
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<210> 363
<211> 3303
<212> DNA
<213> Homo sapiens

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<220>
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<222> (2355)..(2355)
<223> n equals a,t,g, or c

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<211> 1948

<212> DNA

<213> Homo sapiens

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gcatttgggg cttaaaacct agatgacggg ttgaagggtg caacaaacca ccgtgataca      1860
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<210> 365
<211> 2731
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (579)..(579)
<223> n equals a,t,g, or c

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<220>
<221> misc_feature
<222> (1532)..(1532)
<223> n equals a,t,g, or c

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<220>
<221> misc_feature
<222> (2362)..(2362)
<223> n equals a,t,g, or c

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<400> 365

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<210> 366
 <211> 1008
 <212> DNA
 <213> Homo sapiens

<400> 366						
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ccagcatcct	tgtgacgtgg	agagagcatg	gctctcctca	ctttctggat	gaacacacaa	480
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ttcctataat	atgtacagcc	tctccaggag	ccaatggctt	catccaaaga	ggatccactg	600
agctctgggt	tatacgaagg	cagtatccta	agttagagag	cttcccttag	gatgaaaaga	660
cctttagaag	gtgataagaa	ccagaatcca	ctcaatcccc	ttgatgtaag	aaatgggaat	720
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gagaatcgct	tgagcccagg	agtttaaggc	tgagcaagc	ggtaatcatg	ccactgcact	960
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<210> 367
 <211> 2085
 <212> DNA
 <213> Homo sapiens

<400> 367						
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<210> 368

<211> 1497
 <212> DNA
 <213> Homo sapiens

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<400> 368
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tacgttcatt tcttactgtc cctcatgtag aaaggtaaac ttgggtcata cctggatact      300
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agtaagtact gtacatacta cgacatggat gaactagaa aacatgcact aagtgaaca      540
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aaggcctact tcacaaagcg ccttcccccg taaatgatat catctcaact tagtattata      1440
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<210> 369
 <211> 1147
 <212> DNA
 <213> Homo sapiens

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<220>
<221> misc_feature
<222> (5)..(6)
<223> n equals a,t,g, or c
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<220>
<221> misc_feature
<222> (11)..(12)
<223> n equals a,t,g, or c
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<220>
<221> misc_feature
<222> (19)..(19)
<223> n equals a,t,g, or c
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<220>
<221> misc_feature
<222> (1145)..(1145)
<223> n equals a,t,g, or c
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<400> 369

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cggcnac						1147

<210> 370
 <211> 781
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (34)..(34)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (751)..(751)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (762)..(762)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (764)..(764)
 <223> n equals a,t,g, or c

<400> 370						
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aaggtatagc	cagcaggagg	cagattccca	gattgattct	ccagagcctt	gtaggtccca	180
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c						781

<210> 371
 <211> 1346
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (291)..(291)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (421)..(421)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (423)..(423)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (425)..(425)
 <223> n equals a,t,g, or c

<400> 371	
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cagccctgag	caagtgccag
tggagcagct	caagagcgag
ncnangagac	ccggcagcac
gctacgagga	ccaactgaag
aggagtccgt	gcagaagcag
tgcggcacaa	gaattgagat
cgagcgggag	aatgcagaca
tcagaccgtc	ttggagtcca
ctttgtgaca	gaccgggaca
gcaggtggct	gagaggcagc
gctctgcaca	gccctgtagc
tcggctgctc	ctccctcctt
cggtgagacc	ccatctctac
ggtcctgcta	ctcgagaggc
cagttagcca	acattgcacc
aagaaaaaaa	tgccagggcg
gaggtgggcg	gatcacgagg
ctctaccaaa	aaaaaaaaaa
	60
gcacgagctc	tgccctcatc
cagccttggtg	gggtgggggt
ctgctgggtgc	ttctgtgcct
agcccggaac	ctgctgcaca
gcagacacag	gagcggctgt
ctgtgctctg	caggagtatg
cgcaggctga	ggagaggagg
cccagtatca	agacaagctg
ttctcaatga	ggagaattta
ggcgagccac	cgtggaaccg
ggagaccgat	gcccggggcg
gcagatccgc	ctgaaggcgt
tttggggaag	gattccgtgc
atattcataa	aacagggctg
cccaggctct	gtccctgccg
ccacgttgta	cctgctgggc
agttgccagc	ctggggccaca
acattagctg	ggtgtgatgg
agcccaggag	gtttgggctg
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	1320
	1346

<210> 372
 <211> 536

<212> DNA
 <213> Homo sapiens

<400> 372
 gatttgaaga gggcttgcct tccæcctat aggcaactata tatgcttttg gaaaaagtaa 60
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 ctagcagcaa tgatgtacag gtggatcttt tttcacatta acactaccag ctgctccatg 180
 gctatagtgc ttaggaatat ctgagaattt caacagatct atcagctgca atattagga 240
 gtcttgccaa cacagagaca cattcacatg ctgaaaagag catgagttga aggcacagct 300
 ggggactttt gatgcaggtc cagaactgga tgggttgtaa gccattagag atatttaa 360
 tgtccagaat ttcaggctct gctttaaaaa ctaggctaca aaccctcatt cagaaagagg 420
 tcagtaatat gcctgtgag tagaaagata ctggaacat ttcaatgcca aaagtaacat 480
 ttttttccag aatgctatga ctaaattttt taaaaaaaaa aaaaaagggc ggccgc 536

<210> 373
 <211> 1898
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (265)..(265)
 <223> n equals a,t,g, α c

<220>
 <221> misc_feature
 <222> (1854)..(1854)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (1859)..(1859)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (1888)..(1888)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (1897)..(1897)
 <223> n equals a,t,g, or c

<400> 373
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 acctccgaga gcagcccag aaactaaæc aacagcagaa agcggggctc cagcaccacc 180
 aggacctgag caccaccagtc ctgcggtccg atgtagatgc cctgcagcag gtggtggagg 240
 aagctgtggg gcaggccctg ctggngccac cgtcacgctg accggcggct tccgcagggc 300
 ctcatcctgt accaccagca ccagcacagc trctgtragt cccctaccgc cctggccca 360
 caragccaca tggacgcttt tragagaagt ttctgcattt tccgcctacc acaacctcca 420
 ggggctgctg tgggggggac cagcaggccc tgcccatcct ggaagccgtg agagtggact 480
 tggtagttgc acccgtcagc cagttccctt tcgccctgct cggttgact ggctccaagc 540
 ttttccagcg ggagctgcgc cgttcagcc ggaaggagaa gggcctgtgg ctgaacagcc 600
 atgggctgtt tgaccggag caggggaagca gcagtggcaa gactcctagg tcacggaagt 660
 cctgcttctg ttgcagaaga catttttcca mgmggcttca gaggaagaca tcttcagaca 720

cctgggacctt	gagtacacctt	ctccagagca	gagaaacgcc	tgagcctgcc	tgatcccc	780
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aattgtgcct	gcaggatcag	ttgagccct	gctgggtgtg	tgacgggtgt	gatgagggtg	960
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ctgcactgca	tttgagagcc	atgagctgga	ggctgtggtt	cgtgccagca	aggagcctac	1260
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tggccatgtc	atctacctgg	agtggggcct	cccccttctc	aggccttgaa	tcaaaagcca	1740
ctttgttagg	cgaggatttc	ccagaccact	catcacatta	aaaaatattt	tgaaaacatg	1800
cagtaaaaaa	aaaaaaaaaa	aaaaagggcg	gccgctttaa	aaggatcctt	cganggggnc	1860
ccaagcttac	gccgggcatt	gccaacgnca	taacttnt			1898

<210> 374
 <211> 1982
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (35)..(35)
 <223> n equals a,t,g, or c

<400> 374						
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gaccacgggc	cgaggcccc	cgccccgtcc	cagcgcgssc	ggcatggcgg	cgacaaggag	120
ccccacgcgg	gcaagggagc	gggagcggtc	tggcgctsc	ggcgaggaa	gtgaccaagt	180
tcactcctgg	atgctagcta	caagccaagc	cttagacact	gtctggagaa	tggcaaaagg	240
ctttgtgatg	ttggcagttt	catttctggt	ggctgccatc	tgctacttcc	ggaggctaca	300
tttatattca	gggcacaagc	tgaaatggtg	gattggatat	ctgcagagaa	aattcaaaag	360
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gaaaacacag	tggactgaat	ttaatggcat	tagagattat	cacaagagag	gaagtatgtg	780
caacaccctt	ttttcagatg	ccattctgga	atataaactt	tatgaagctt	taaagttcat	840
catgctgtat	caagtcaactg	aagtttatga	acaaatgaag	actaaaaagg	tcattcccag	900
tctttttaga	ctcctgtttt	ccaggggagac	atcctctgat	cctttgagct	tcagtatgaa	960
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tcaccagtga	cggtggtcac	agttgcaata	aagtctctct	ctgaaaccaa	agctagcatt	1260
tcagcatgga	aggaattagg	accttttctt	caggattaca	ggtacactgg	atgcagccat	1320
gcatggatgg	tttttcttta	tttttcagta	atttctcttg	aagcagctgc	actgatacat	1380
ttgggagttg	gtggccttgac	tttgtccata	agggcgctgg	ccacttcaca	tgatgcggg	1440
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tagttttatt	tagatttttt	aaaattctgt	agattaaagc	aaatgacagt	tattgaacta	1920
tcacaaaact	attaaactgt	ggtacattta	aaaaaaaaaa	aaaaaaaaaa	aaaaaactcg	1980
ag						1982

<210> 375
 <211> 3034
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (5)..(5)
 <223> n equals a,t,g, or c

<400> 375						
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ctatcagtag	ctatagataa	aaataactat	attctaatat	ggcttaaatg	gagatatgac	180
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tttgctattt	attgaactat	gaaagcactt	gattttctta	actcttgagt	gccagaaatt	300
tggaagaat	attcctgagg	attagacaaa	taatgatacc	ttgtgtatat	acatgggtgt	360
ggaatgtcta	catttccctt	aagggtcatca	attccataag	ttggtctaca	gataacttca	420
cattagttga	ccattgttta	acaatgtctt	aaagttacat	ttgcataaga	atccaacttg	480
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ggatcgaaga	agatcaaaaa	gccgggatcg	aaagtcatat	aagcacagga	gcaaaagtcg	900
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aagtagtgtg	aagtccggtg	gtcgagaaaa	gcagagtga	gacacaaaca	ctgaatcgaa	1020
ggaaagtgrt	actaagaatg	aggtcaatgg	gaccagtga	gacattaaat	ctgaagtgca	1080
gctktaagta	tgcacagatg	aagatggaac	taagccgagt	aagaagacat	acaaaagcct	1140
cttctgaagg	aaaagacagt	gtagtctctg	aaaacatttt	gaggtacatt	gttttgtctc	1200
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gcacatgttg	gactactttg	ttttaattaa	actgctagta	tttctttgtc	aaggatgttt	1500
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aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaact	cgag			3034

<210> 376
 <211> 2008
 <212> DNA
 <213> Homo sapiens

<400> 376						
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aaaaaaaaagt	tttgccctat	aggtcgac				2008

<210> 377
 <211> 947
 <212> DNA
 <213> Homo sapiens

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<400> 377
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<210> 378
 <211> 5061
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (5057)..(5059)
 <223> n equals a,t,g, or c

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<400> 378
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cctggatccc agaaggtcgc gaaggcagta ccgtttcctc agcggcggac tgctgcagta      180
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gggatcccac ccccgagtt tccaggattt cctccacctg tacctccagg gaccccaatg      300
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 <213> Homo sapiens

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<220>
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 <222> (842)..(842)
 <223> n equals a,t,g, or c

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 <213> Homo sapiens

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 <211> 1947
 <212> DNA
 <213> Homo sapiens

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<210> 382
 <211> 1081
 <212> DNA
 <213> Homo sapiens

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 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (1078)..(1078)
 <223> n equals a,t,g, or c

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<210> 383
 <211> 1273
 <212> DNA
 <213> Homo sapiens

<400> 383
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<210> 384
 <211> 2179
 <212> DNA
 <213> Homo sapiens

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<211> 2795

<212> DNA

<213> Homo sapiens

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<211> 1887

<212> DNA

<213> Homo sapiens

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<223> n equals a,t,g, or c

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<212> DNA

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<223> n equals a,t,g, or c

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<210> 391
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<212> DNA
<213> Homo sapiens

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<220>
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<222> (49)..(49)
<223> n equals a,t,g, or c

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<220>
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<223> n equals a,t,g, or c

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<211> 1411

<212> DNA

<213> Homo sapiens

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<210> 393
 <211> 1065
 <212> DNA
 <213> Homo sapiens

<400> 393						
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<210> 394
 <211> 1980
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (35)..(35)
 <223> n equals a,t,g, or c

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<210> 395

<211> 1663

<212> DNA

<213> Homo sapiens

<400> 395

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 <212> DNA
 <213> Homo sapiens

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<210> 397
 <211> 2495
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (913)..(913)
 <223> n equals a,t,g, or c
 <400> 397

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aatttagatt	ataaatgtgt	gagtgcagat	tatcctgcta	ttgcacaagc	tagagggggg	720
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<210> 398
 <211> 1771
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1672)..(1672)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (1696)..(1696)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (1706)..(1706)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (1749)..(1749)
 <223> n equals a,t,g, or c

<400> 398
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 gggttgaaaag catttgggcg caagaaagga tcatccaggc ttaaaggcta aagaaaatga 420
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 aggtgcttcc ggaaagcttc aagccttcgg attctgtgag tacaaggagccagaatctac 600
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 aararaagga agaaagaagg aaggagaatt ggccaaagga agcttaaacg anttaaaaag 1680
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 ggaattgnt ttttcaggaa aagttttcct t 1771

<210> 399
 <211> 1534
 <212> DNA
 <213> Homo sapiens

<400> 399
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 atggttgga agcatttggg cgcaagaaag gatcatccag gcttaaaggc taaagaaaat 420
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accctccgtg	cactcagatt	attacatgac	ctgcaaattg	gagagaaaaa	gctactcgtt	660
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gaacgggagc	gagaaaaaaa	aaaaaaaaaa	aaagggcggc	cgctctagag	gatccaagct	1500
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<210> 400

<211> 1157

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (826)..(826)

<223> n equals a,t,g, or c

<400> 400

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aactagctct	ttagcaagaa	tcttactaga	ataaaatggc	tcttgctacc	tgtattttta	300
atcagcctat	gtatattgat	cccattcctg	atattatcac	cttaatatat	aacagcccca	360
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<210> 401

<211> 2791

<212> DNA

<213> Homo sapiens

<400> 401

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<210> 402
 <211> 669
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (23)..(23)
 <223> n equals a,t,g, or c

<220>
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 <222> (37)..(37)
 <223> n equals a,t,g, or c

<220>
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 <222> (75)..(75)
 <223> n equals a,t,g, or c

<220>
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 <222> (97)..(97)
 <223> n equals a,t,g, or c

<220>
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 <222> (108)..(108)
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 <223> n equals a,t,g, or c

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 aaaaaaaaaa 669

<210> 403
 <211> 1854
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1280)..(1280)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (1826)..(1826)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature

<222> (1835)..(1835)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (1852)..(1853)
 <223> n equals a,t,g, or c

<400> 403

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<210> 404
 <211> 1081
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1076)..(1076)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (1078)..(1078)
 <223> n equals a,t,g, or c

<400> 404

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c						1081

<210> 405
 <211> 1081
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1076)..(1076)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (1078)..(1078)
 <223> n equals a,t,g, or c

<400> 405	
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agtcatggca	cctaaggcgg
acccggggcc	aaacccgagg
aaaggcgggtg	caggaccata
gcacgaagtg	ggcacgagga
taaaaagttc	tggctcttgg
agctgcaatg	atactgttgt
catggagata	tccttcttca
catacccttc	atcctgtggc
ccttgtggga	gccgtggtct
acttgctgtg	atccttattg
aagaaaccac	ttcagaggca
ggaaaaagga	ccccagcagg
gccaccaggg	ccagcaaagg
gcagtgtatt	ttacagcaat
ttcttttcca	ttttcattac
gcctaaaaaa	aaaaaaaaaa
c	

<210> 406

<211> 1044
 <212> DNA
 <213> Homo sapiens

<400> 406
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 agtcatggca cctaaggcgg caaagggggc caagccagag ccagcaccag ctccacctcc 180
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 agctgcaatg atactgttgt cctcactcac cgtgcacccc atcttgaggc ttatcatcac 480
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 gcagtgtatt ttacagcaat atgtttccac tctcttcctt gtcttcttcc tggaatgggt 960
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<210> 407
 <211> 1081
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1076)..(1076)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (1078)..(1078)
 <223> n equals a,t,g, or c

<400> 407
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 aaaggcgggtg caggaccata aggagccatc ggacaaacct caaaaggcgg tgcagcccaa 300
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 catggagata tccttcttca gcttcttcat cttactgtac agctttgcca ttcatagata 540
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 gcagtgtatt ttacagcaat atgtttccac tctcttcctt gtcttcttcc tggaatgggt 960
 ttcttttcca ttttcattac cacctttgct tggaaaagaa tggattaatg gattctaaaa 1020

gcctaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaa aaaaaaaaaa aacagnancc 1080
c 1081

<210> 408
<211> 1100
<212> DNA
<213> Homo sapiens

<400> 408
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tcattggcacc taaggcggca aagggggcca agccagagcc agcaccagct ccacctccac 180
ccgggggcaa acccgaggaa gacaagaagg acggtaagga gccatcggac aaacctcaaa 240
aggcgggtgca ggaccataag gagccatcgg acaacctca aaaggcgggtg cagcccaagc 300
acgaagtggg cagcaggagg ggggtgtcgcc gctaccgggtg ggaattaaaa gacagcaata 360
aagagtcttg gctcttgggg cacgctgaga tcaagattcg gagtttgggc tgcctaatag 420
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tgagatatac cttcttcagc ttcttcatct tactgtacag ctttgccatt catagataca 540
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cttttccatt ttcattacca cctttgcttg gaaaagaatg gattaatgga ttctaaaagc 1020
cwaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1080
aaaaaaaaaa aaaactcgag 1100

<210> 409
<211> 1015
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (995)..(995)
<223> n equals a,t,g, or c

<400> 409
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taagccgcgg cggacaacta tgctgaaagc caagatcctc ttcgtggggc cttgcgagag 120
tgaaaaaact gttttggcca actttctgac agaattctct gacatcactg aatacagccc 180
aaccgaagga gtgaggatcc tagaatttga gaaccgcac gttaccagca acaacaaagg 240
cacgggctgt gaattcgagc tatgggactg tgggtggcgt gctaagtttg agtcctgctg 300
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ccaccggaag gaaatggaga tgtggtattc ctgctttgtc caacagccgt ccttacagga 420
cacacagtgt atgctaattg cacaccacaa accaggctct ggagatgataaagggaagcct 480
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accacctcac atatgtccag ttaaacagtt tgtggacttg taaccgtcgc agcccaatga 960
tacaacagta gtttaatcac gtgtattggg cttgnaatgt gatttccatc ccttg 1015

<210> 410
 <211> 2167
 <212> DNA
 <213> Homo sapiens

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<400> 410
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gcctattgtc tttgtggcaa gtcttgcccg gcagcctagc ttcagagcaa tgtaagtgg      180
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tgactcatgt tctaattccat ggcactactg atcctacttt tctgcatttt aaagtacaaa      300
cagctggata ttgctgaaga tggctcaggg ggtcaaggac aaatttcaca aatgtgacct      360
cattctccag gctgcctgtt tatcctggag gttgatcttg gacttgggac catttaaggt      420
tgcctatctt caaagtgtct agcttggctt tttaattcta tactcctaaa tctttgacag      480
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ctgggtgaatg tttttgcctg ttggaaggac gttgcagcta caggcagact ccaccatcc      600
accaacggcc ttattgtcaa tccatagtct tgtgctga# gcaaagtggc ctgagttttt      660
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aagtgaagtca cagaagcctc cgtcaacact gacatattga tgaccttaag aagttagtga      960
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<210> 411
 <211> 2793
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (2762)..(2762)
 <223> n equals a,t,g, or c

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<400> 411
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ctttcccctt	gatattttct	atgtttgtgt	agataattgg	tagatatrta	gttgtggttt	240
agtacattta	gggcttctat	ttatttagat	tttgtttgtt	ggagtctgtt	tccaaaagg	300
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tttttcccac	cctacttcac	acacctaaaa	ctcttttctt	gtcagaccaa	agagcgaaaa	2400
gaaaaaaaaa	aagtaaaaca	ctttaccaat	ctgtcactca	ggtacaattt	gtggtgaga	2460
tttttgtctg	ttctctttgt	attgctctta	agatgccttt	ctcagcatat	tattctgcc	2520
ttgcctctgt	cttccctggg	gcacctcagc	tctggatgct	acccctggga	tatctactgc	2580
tgttatgtga	atgataggag	gtaagtgacc	attatagtaa	gggctctttg	taaaaaaatt	2640
caaaaaattt	aaaaaggatg	tatacatttt	atagtctggc	tatcagtttg	atatcttgct	2700
gtcaagtatg	tttctcaatc	tgtatttatc	catcccatca	ataaatgtta	atggtaaaac	2760
ancaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaa			2793

<210> 412
 <211> 927
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (883)..(883)
 <223> n equals a,t,g, or c

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<220>
<221> misc_feature
<222> (912)..(912)
<223> n equals a,t,g, or c

<400> 412
gcttcacatcgg tgaacaagggt tgtttactga atgtggagaa gtcagtgaat tctccacagt      60
gacagatgca ctctggagat ggggctgagg ctaggtgtgc acctcccctg ccagccatca      120
gcagcctgcc cacgtctgtc gcgttatgag ttgttgatct taaatttctg caaatgtttc      180
ttgttacaga gtatggtggt tgcraaaaact tgcggaagct ggagatcaca ggcgtgtctt      240
gtcgggacgt ctatgcgaag cgtattaaac cctcgcgtgaagtcgggacg ttttgtgaaa      300
attctccctg attatgagca catggcgtac agagacgttt acacctgcct gcttcaccga      360
tatagacaca ttttgggatt gtggcagcca gatatcgggc catacggagg actgctgaac      420
gtggtggtgg acggcctggt catcatcgta atgaggcgtg cgccgccaat atgcactgta      480
cattccacaa gcattgcctt cttattttac ttcttttagc tgtttaactt tgtaagatgc      540
aaagaggttg gatcaagttt aaatgactgt gctgccctt tcacatcaaa gaactactga      600
caacgaaggc cgcgcctgcc tttcccatct atctatctgg ctggcaggga aggaaagaac      660
ttgcatgttg gtgaaggaag aagtggggtg gaagagtgg ggtgggacga cagtgaatc      720
tagagtaaaa ccaagctggc ccaaggtgtc ctgcaggctg taatgcagtt taatcagagt      780
gccatttttt ttttgtttca aatgatttta attattggaa tgcacaattt ttttaatatg      840
caaataaaaa gtttaaaaaa ttaaaaaaaa aaaaaaaaaa aanccccggg ggggggccccg      900
gwaccaattt cncaccaaaa gggagcc      927

<210> 413
<211> 1252
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (243)..(243)
<223> n equals a,t,g, or c

<400> 413
gagaagaagt actactccaa aaactttggt aagtgtctta ttcttcccta gcagtaggct      60
gttgctgagt tgtagactgg tggttttatg aaaaaaaaaa aggttgggga ggtgtgaaga      120
tggaatagag ggctgtgtta tgtatatctg gtatctactt ctgttccagg tgcttaattc      180
accctcatat tgatgtttta agtttagagga ttcttgtcca tttgtcttgt cttctgttgg      240
canggtcaca tgcaggtaat aggctatggg aaggggaaga tgcctagatt acttctaggc      300
tggctctcaa gccccaagtt caagcctcct gagtagctga gactacaggc acacaccatc      360
gttctcaact tttctttttt aacataggct agctagctcc caccttagcc ttctagacc      420
ctccattata attcttattc aattgcttg gcctcccaaa gtgctggaat tacaggtgtg      480
agccactgca cccagctatt ttttctatat ttttatgtag ttcattgagg gtaataattt      540
tatcctacaa caaacatgta agttattgaa gaattattgga gttttatgat aatgctgtca      600
taaatataaa aggtagggtg agagggatcc aaatagagct cacttatatt gtcactgta      660
ggcagtcacg ctgtgctgat agaattgtggc ctgacacttg atggagtgcg gcatatgtat      720
acttgggcaa tttgagcaga tatatacggg cccgagttta aagaagagaa caaacaccag      780
tgcacagcta tagtattcct aatataggat gcatttttaa gaatttcaca ttctacaaat      840
ggagagagat ggcaggagaa gccttatttt aagtcctgca ctaaggcagg ttaacctcat      900
gggtgtaatt acctggacct ttttgtaagg acaaaatatt taatcattaa aaggccctct      960
gtagggtttg aaatatctat attttatata tgaatgcttc ttttattaat atttatggta      1020
agatatttta tactgctgat aaacggacat taatgatata tagcctattg ttgaaaaa      1080
gcatttttga ttatagccca aaactggaaa taaccaacag ataaataaat ggtggtatat      1140
tcatacaata aaatactact cagataaaaa agatgaactt aatctcataa acattatggg      1200
caacatagtg agaaccatc tcttttaaaa aaaaaaaaaa aaaaaactcg aa      1252

<210> 414

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<211> 1887
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1882)..(1882)
 <223> n equals a,t,g, or c

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<400> 414
gttcattctta gtcaatccta tgccacctct tcttcctcca gtcccctcac ctgatgggtcc      60
cgacacttca tcatccacca cctcctggag ggggtaccct gaggtgtcc gctgggggct      120
ccgctcttcc tggggctgcg gttgatggct catcatgata tttcccaaaa tctgtcccat      180
ctcaccaaac ctagtctctg ttctgtcctt ggtcttcttc tggacactgc tgggatccag      240
aagagtgtgt tatcaattct cgaggctggg agaagtcagg agtgagaaac agctctgaga      300
agttactgtt gtccaactga actcccaggt gccgacagag tccggtccct ccaatcagga      360
aggtcggaat ctctgatgtc atcgctcatg ccaacctggc aaccagtttg aaaaaaaca      420
catgtaactg ccaggctgat ctcttgtcct ggagatcctg ggtgaatggt atctcctgcc      480
actgtcccaa cctcagacca ytggtccaaa gcatcttcaggggwctccrca tccctctrtt      540
cctgttccca gcagaggctg tgtcctctcc actcaaagcy tgaagcrtgt tgggggtctcy      600
tcttctctgt acatgccgtg ttcatgagtc agtctgggtg gagagggatc aggatgggaa      660
agaaaagtag ggtaagcaga aacgatgaaa ccttacaaga gtgagattat catgtacaag      720
agatcccagg aacattgact tgatgaaaaa gtcacatcag agcactcaat ttggcagagg      780
ttttctgccc agtgtctact gacattcact gtccgagatt ctgtactggg ggtacacgcg      840
tcctctgccc taaggcatct ttgagtccaa gagatatatt gaggactgga aatcatagga      900
aactgccccat gagttcacac atattttccaa tgggtcccc aatttcaggg agtccacgga      960
tcacctaaag ccagcccctc cagtttggct aagaaactct atatatcaag ttttgtatca     1020
tatgtattgc tcttaactca gaaaattcca ccatttatag cagtggttta tttatttata     1080
ccattgaagg aaatggttta tttatgaatc tatattatgg atattctata agatactggg     1140
tgtacaaaaa gactaagtcg aaaaatctca gctgtgcaca gtgggtcatg yttgtaaycc     1200
catctctttg ggtgscacaag ggaggaagac tgcctgaggc cagcagttca agaccagtat     1260
aggcaacata gcaagagccc atctctaaaa caaaacaaaa caaaacaaaa caaaattagc     1320
caggtgtcgt ggctggcacc tgtgttccaa caacttgaga gactgaggtg gcaggaggat     1380
tgcttgagcc taggagttag gggctgcagt gagctgtgat cgtgacaccg cactccagtc     1440
tgggcaacac agcaagrcct tgtgtcaaaa caattttttt aattaaatat aaaagagttt     1500
catgacattc agagaccatc caaagaacct gtgggttccg gccaggcaca gtgctcacgc     1560
ctgtaatccc agcgttttgg gaggccatag caggtggatc gcttgaggtc aggagtttaa     1620
gagcagcctg gccaacatgg tgaaacccca tctcttctaa aaatacaaaa aattagtcag     1680
gcatggtggt ggggtgcctgt aatcccagcc actcaggagg cggggacagc agaatggctt     1740
aaacttgagg ggcggagggt gcaagagcc aaggtcacac cattgcactc cagcctgggc     1800
aacaagagca aaactacatc tcaaaaaaaaa aaaaaaaaaa ctcgaggggg ggcccgggtac     1860
ccaattcgcc ctatggtgag tngaattg                                     1887
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<210> 415
 <211> 141
 <212> PRT
 <213> Homo sapiens

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<400> 415
Leu Pro Ala Ser Gly Cys His Gly Pro Ala Ala Ser Ser Tyr Ser Ala
  1             5             10             15

Ser Ala Glu Pro Ala Arg Val Arg Ala Leu Val Tyr Gly His His Gly
             20             25             30

Asp Pro Ala Lys Val Val Glu Leu Lys Asn Leu Glu Leu Ala Ala Val
  35             40             45
```

Arg Gly Ser Asp Val Arg Val Lys Met Leu Ala Ala Pro Ile Asn Pro
 50 55 60
 Ser Asp Ile Asn Met Ile Gln Gly Asn Tyr Gly Leu Leu Pro Glu Leu
 65 70 75 80
 Pro Ala Val Gly Gly Asn Glu Gly Val Ala Gln Val Val Ala Val Gly
 85 90 95
 Ser Asn Val Thr Gly Leu Lys Pro Gly Asp Trp Val Ile Pro Ala Asn
 100 105 110
 Ala Gly Leu Glu Ser Arg Ser Val Ala Gln Ala Gly Ala Ile Leu Ala
 115 120 125
 His Cys Asn Leu Gln Pro Pro Pro His Arg Arg Met Ala
 130 135 140

<210> 416
 <211> 18
 <212> PRT
 <213> Homo sapiens

<400> 416
 Leu Gly Leu Leu Val Pro Leu Glu Pro His His Val Leu Gly Val Glu
 1 5 10 15
 Ser Pro

<210> 417
 <211> 78
 <212> PRT
 <213> Homo sapiens

<400> 417
 Met Ala Leu Lys Ser Leu Asn Thr His Thr Lys Ser Phe Phe Thr Phe
 1 5 10 15
 Ile Leu Ile Leu Leu Asn Leu Ser Ser Cys Lys Ser Asn Met Met His
 20 25 30
 Phe Lys Met Glu Ser Leu Pro Pro Thr Ser Leu Thr Pro Phe Leu Leu
 35 40 45
 Cys Leu Phe Phe Leu Pro Ser Leu Pro Leu Val Ser Pro Leu Pro Pro
 50 55 60
 Ser Leu Phe Pro Ser Phe Leu Ile Ser Phe Ser Phe Leu Pro
 65 70 75

<210> 418
 <211> 41
 <212> PRT
 <213> Homo sapiens

<400> 418
 Met Cys Gly Arg Arg Pro Arg Leu Gly Trp Thr Cys Val Trp Gly Cys
 1 5 10 15
 Thr Arg Ala Pro Cys Trp Gly Ala Ser Trp Ala Arg Ser Ala Gly Ser
 20 25 30
 Thr Thr Cys Gly Arg Leu Met Ser Leu
 35 40

<210> 419
 <211> 59
 <212> PRT
 <213> Homo sapiens

<400> 419
 Leu Leu Gly Thr Trp Leu Cys Pro Gln Leu Pro Pro Gly Leu Gly Ala
 1 5 10 15
 His His Ala Pro Ser Ser Phe Ser Ser Tyr Leu Cys Pro Val Ser Pro
 20 25 30
 Ser Ile Arg Leu Ser Asp Gly Thr Leu Trp Glu Arg Leu Trp Pro Trp
 35 40 45
 Ser Gly Gly Arg Glu Gln Gly Gly Arg His Lys
 50 55

<210> 420
 <211> 139
 <212> PRT
 <213> Homo sapiens

<400> 420
 Met Ser Cys Pro Ala His Ala Ser Pro Pro Cys Ser Asn Thr Ser Gly
 1 5 10 15
 Cys Leu Glu Phe Ser Phe Cys Gly Phe Ala Leu Pro Ile Pro Ser Pro
 20 25 30
 Val Leu His Ser Ser Trp Gln Gly Gly Glu Gly Trp Gly Trp Phe Gly
 35 40 45
 Trp Val Arg Gly Phe Phe Leu Cys Val Arg Cys Cys Tyr Leu Thr Val
 50 55 60
 Leu Arg Pro Tyr Trp Pro Phe Ser Ser Ser Ser Tyr Leu Tyr Gly Thr

65 70 75 80
 Ser Asn Lys Asp Thr His Phe Arg Pro Gly Lys Lys Lys Lys Lys Lys
 85 90 95
 Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys
 100 105 110
 Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys
 115 120 125
 Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys
 130 135

<210> 421
 <211> 30
 <212> PRT
 <213> Homo sapiens

(
 <400> 421
 Met Leu Met Met Gly Thr Leu Val Leu Ile Leu Leu His Asp Val Ile
 1 5 10 15
 Val Thr Phe Thr Glu Phe Tyr Asn Ala Gln Asn Leu Lys Trp
 20 25 30

<210> 422
 <211> 23
 <212> PRT
 <213> Homo sapiens

<400> 422
 Cys Leu Gln Trp Phe Val Pro Leu Val Pro Gln Gln Ile Pro Glu Leu
 1 5 10 15
 Ile Leu Met Thr Ile Trp Lys
 20

<210> 423
 <211> 20
 <212> PRT
 <213> Homo sapiens

<400> 423
 Phe Leu Leu Ser Phe Cys Ala Phe Pro Cys Val Phe Met Phe Trp Val
 1 5 10 15
 Ser Val Leu His
 20

<210> 424
<211> 21
<212> PRT
<213> Homo sapiens

<400> 424
Met Ile Tyr Leu Ser Ile Tyr Leu Leu Val Asn Ile Leu Ala Val Ser
1 5 10 15
Asn Ser Trp Pro Ser
20

<210> 425
<211> 9
<212> PRT
<213> Homo sapiens

<400> 425
Met Phe Met Met Ser Val Tyr Ile Leu
1 5

<210> 426
<211> 17
<212> PRT
<213> Homo sapiens

<400> 426
Met Pro Trp Cys Leu Leu Pro Leu Cys Leu His Ile Leu Cys Val Ser
1 5 10 15
Ala

<210> 427
<211> 55
<212> PRT
<213> Homo sapiens

<400> 427
Met Val Leu Ala Ile Phe Gln Asn Ala Leu Ser Phe Thr Ile Ser Ala
1 5 10 15
Leu Leu Phe Ile Leu Ser Phe Tyr Phe Gly Thr Ala Ala Leu Trp Leu
20 25 30
Phe Ile Cys Gln Asn Cys His Phe Leu Ser Ile Gln Leu Leu Cys Pro
35 40 45
Leu Phe His Glu Ser Pro Asn
50 55

<210> 428
<211> 11
<212> PRT
<213> Homo sapiens

<400> 428
Met His Gln Pro Leu Cys Ile Tyr Cys Phe Ser
1 5 10

<210> 429
<211> 54
<212> PRT
<213> Homo sapiens

<400> 429
Met Thr Glu Asn Pro Lys Val Gln Met Met Leu Ile Ile Val Val Pro
1 5 10 15
Leu Gln Leu Phe Ile Asn Pro Val Gln His Pro Ile Gln Gln Val Arg
20 25 30
Cys Ile His Leu His Leu Cys His Gly Trp Ala Leu Asp Arg Leu Ala
35 40 45
Leu Glu Leu Val Cys Leu
50

<210> 430
<211> 10
<212> PRT
<213> Homo sapiens

<400> 430
Met Thr Arg Cys Leu Trp Arg Thr Leu Gln
1 5 10

<210> 431
<211> 32
<212> PRT
<213> Homo sapiens

<400> 431
Met Phe Cys Gly Ala Cys Gln Ile Gly Trp Asn Leu Trp Gly Leu Leu
1 5 10 15
Trp Glu Met Pro Arg Glu His Arg Phe Arg Arg Trp Glu Gln Leu Val
20 25 30

<210> 432
 <211> 13
 <212> PRT
 <213> Homo sapiens

<400> 432
 Met Lys Thr Thr Cys Leu Ser Ser Thr Leu Val Arg Met
 1 5 10

<210> 433
 <211> 38
 <212> PRT
 <213> Homo sapiens

<400> 433
 Val Leu Leu Ile Leu Lys Leu Leu Leu Leu Lys Gly Ala Arg Ser Ile
 1 5 10 15
 Gln Ile Phe Met Phe Arg Cys Leu Ile Ala Phe Aa Leu Ile Thr Lys
 20 25 30
 Leu Gln Asn Tyr Met Asp
 35

<210> 434
 <211> 94
 <212> PRT
 <213> Homo sapiens

<400> 434
 Met Arg Thr Ile Tyr Ser Ala Phe Phe Phe Leu Ser Leu Cys Leu Ser
 1 5 10 15
 Val Leu Leu Ser Ser Thr Val Phe Asp Asp Trp His Pro Ile Ser Ile
 20 25 30
 Ser Trp Val Gln Asn Phe Gly Leu Thr Pro Ser Phe Asp Val Gln Val
 35 40 45
 Pro Gln Thr Leu Arg Cys Phe Phe Arg Ser Gly Cys Arg Trp His Pro
 50 55 60
 Leu Asn Leu Leu Gln Phe Lys Leu Ser Thr Phe Leu Arg Ile Ile Ser
 65 70 75 80
 Phe Tyr Leu Ser Phe Cys Ser Glu Lys Arg Leu Gln His Glu
 85 90

<210> 435
 <211> 1167
 <212> PRT
 <213> Homo sapiens

 <220>
 <221> SITE
 <222> (429)
 <223> Xaa equals any of the naturally occurring amino acids

 <220>
 <221> SITE
 <222> (435)
 <223> Xaa equals any of the naturally occurring amino acids

 <220>
 <221> SITE
 <222> (437)
 <223> Xaa equals any of the naturally occurring amino acids

 <220>
 <221> SITE
 <222> (444)
 <223> Xaa equals any of the naturally occurring amino acids

 <220>
 <221> SITE
 <222> (447)
 <223> Xaa equals any of the naturally occurring amino acids

 <220>
 <221> SITE
 <222> (452)
 <223> Xaa equals any of the naturally occurring amino acids

 <220>
 <221> SITE
 <222> (588)
 <223> Xaa equals any of the naturally occurring amino acids

 <220>
 <221> SITE
 <222> (832)
 <223> Xaa equals any of the naturally occurring amino acids

 <400> 435
 Val Glu Leu Pro Phe Val Thr His Leu Phe Leu Pro Leu Val Phe Leu
 1 5 10 15
 Thr Gly Leu Cys Ser Pro Phe Asn Leu Asp Glu His His Pro Arg Leu
 20 25 30
 Phe Pro Gly Pro Pro Glu Ala Glu Phe Gly Tyr Ser Val Leu Gln His
 35 40 45

Val Gly Gly Gly Gln Arg Trp Met Leu Val Gly Ala Pro Trp Asp Gly
 50 55 60
 Pro Ser Gly Asp Arg Arg Gly Asp Val Tyr Arg Cys Pro Val GlyGly
 65 70 75 80
 Ala His Asn Ala Pro Cys Ala Lys Gly His Leu Gly Asp Tyr Gln Leu
 85 90 95
 Gly Asn Ser Ser His Pro Ala Val Asn Met His Leu Gly MetSer Leu
 100 105 110
 Leu Glu Thr Asp Gly Asp Gly Gly Phe Met Ala Cys Ala Pro Leu Trp
 115 120 125
 Ser Arg Ala Cys Gly Ser Ser Val Phe Ser Ser Gly Ile Cys Ala Arg
 130 135 140
 Val Asp Ala Ser Phe Gln Pro Gln Gly Ser Leu Ala Pro Thr Ala Gln
 145 150 155 160
 Arg Cys Pro Thr Tyr Met Asp Val Val Ile Val Leu Asp Gly Ser Asn
 165 170 175
 Ser Ile Tyr Pro Trp Ser Glu Val Gln Thr Phe Leu Arg Arg Leu Val
 180 185 190
 Gly Lys Leu Phe Ile Asp Pro Glu Gln Ile Gln Val Gly Leu Val Gln
 195 200 205
 Tyr Gly Glu Ser Pro Val His Glu Trp Ser Leu Gly Asp Phe Arg Thr
 210 215 220
 Lys Glu Glu Val Val Arg Ala Ala Lys Asn Leu Ser Arg Arg Glu Gly
 225 230 235 240
 Arg Glu Thr Lys Thr Ala Gln Ala Ile Met Val Ala Cys Thr Glu Gly
 245 250 255
 Phe Ser Gln Ser His Gly Gly Arg Pro Glu Ala Ala Arg Leu Leu Val
 260 265 270
 Val Val Thr Asp Gly Glu Ser His Asp Gly Glu Glu Leu Pro Ala Ala
 275 280 285
 Leu Lys Ala Cys Glu Ala Gly Arg Val Thr Arg Tyr Gly Ile Ala Val
 290 295 300
 Leu Gly His Tyr Leu Arg Arg Gln Arg Asp Pro Ser Ser Phe Leu Arg
 305 310 315 320
 Glu Ile Arg Thr Ile Ala Ser Asp Pro Asp Glu Arg Phe Phe Phe Asn
 325 330 335
 Val Thr Asp Glu Ala Ala Leu Thr Asp Ile Val Asp Ala Leu Gly Asp
 340 345 350

Arg Ile Phe Gly Leu Glu Gly Ser His Ala Glu Asn Glu Ser Ser Phe
 355 360 365
 Gly Leu Glu Met Ser Gln Ile Gly Phe Ser Thr His Arg Leu Lys Asp
 370 375 380
 Gly Ile Leu Phe Gly Met Val Gly Ala Tyr Asp Trp Gly Gly Ser Val
 385 390 395 400
 Leu Trp Leu Glu Gly Gly His Arg Leu Phe Pro Pro Arg Met Ala Leu
 405 410 415
 Glu Asp Glu Phe Pro Pro Ala Leu Gln Asn His Ala Xaa Tyr Leu Gly
 420 425 430
 Tyr Ser Xaa Ser Xaa Met Leu Leu Arg Gly Gly Xaa Arg Leu Xaa Leu
 435 440 445
 Ser Gly Ala Xaa Arg Phe Arg His Arg Gly Lys Val Ile Ala Phe Gln
 450 455 460
 Leu Lys Lys Asp Gly Ala Val Arg Val Ala Gln Ser Leu Gln Gly Glu
 465 470 475 480
 Gln Ile Gly Ser Tyr Phe Gly Ser Glu Leu Cys Pro Leu Asp Thr Asp
 485 490 495
 Arg Asp Gly Thr Thr Asp Val Leu Leu Val Ala Ala Pro Met Phe Leu
 500 505 510
 Gly Pro Gln Asn Lys Glu Thr Gly Arg Val Tyr Val Tyr Leu Val Gly
 515 520 525
 Gln Gln Ser Leu Leu Thr Leu Gln Gly Thr Leu Gln Pro Glu Pro Pro
 530 535 540
 Gln Asp Ala Arg Phe Gly Phe Ala Met Gly Ala Leu Pro Asp Leu Asn
 545 550 555 560
 Gln Asp Gly Phe Ala Asp Val Ala Val Gly Ala Pro Leu Glu Asp Gly
 565 570 575
 His Gln Gly Ala Leu Tyr Leu Tyr His Gly Thr Xaa Ser Gly Val Arg
 580 585 590
 Pro His Pro Ala Gln Arg Ile Ala Ala Ala Ser Met Pro His Ala Leu
 595 600 605
 Ser Tyr Phe Gly Arg Ser Val Asp Gly Arg Leu Asp Leu Asp Gly Asp
 610 615 620
 Asp Leu Val Asp Val Ala Val Gly Ala Gln Gly Ala Ala Ile Leu Leu
 625 630 635 640
 Ser Ser Arg Pro Ile Val His Leu Thr Pro Ser Leu Glu Val Thr Pro
 645 650 655

Gln Ala Ile Ser Val Val Gln Arg Asp Cys Arg Arg Arg Gly Gln Glu
 660 665 670
 Ala Val Cys Leu Thr Ala Ala Leu Cys Phe Gln Val Thr Ser Arg Thr
 675 680 685
 Pro Gly Arg Trp Asp His Gln Phe Tyr Met Arg Phe Thr Ala Ser Leu
 690 695 700
 Asp Glu Trp Thr Ala Gly Ala Arg Ala Ala Phe Asp Gly Ser Gly Gln
 705 710 715 720
 Arg Leu Ser Pro Arg Arg Leu Arg Leu Ser Val Gly Asn Val Thr Cys
 725 730 735
 Glu Gln Leu His Phe His Val Leu Asp Thr Ser Asp Tyr Leu Arg Pro
 740 745 750
 Val Ala Leu Thr Val Thr Phe Ala Leu Asp Asn Thr Thr Lys Pro Gly
 755 760 765
 Pro Val Leu Asn Glu Gly Ser Pro Thr Ser Ile Gln Lys Leu Val Pro
 770 775 780
 Phe Ser Lys Asp Cys Gly Pro Asp Asn Glu Cys Val Thr Asp Leu Val
 785 790 795 800
 Leu Gln Val Asn Met Asp Ile Arg Gly Ser Arg Lys Ala Pro Phe Val
 805 810 815
 Val Arg Gly Gly Arg Arg Lys Val Leu Val Ser Thr Thr Leu Glu Xaa
 820 825 830
 Arg Lys Glu Asn Ala Tyr Asn Thr Ser Leu Ser Leu Ile Phe Ser Arg
 835 840 845
 Asn Leu His Leu Ala Ser Leu Thr Pro Gln Arg Glu Ser Pro Ile Lys
 850 855 860
 Val Glu Cys Ala Ala Pro Ser Ala His Ala Arg Leu Cys Ser Val Gly
 865 870 875 880
 His Pro Val Phe Gln Thr Gly Ala Lys Val Thr Phe Leu Leu Glu Phe
 885 890 895
 Glu Phe Ser Cys Ser Ser Leu Leu Ser Gln Val Phe Val Lys Leu Thr
 900 905 910
 Ala Ser Ser Asp Ser Leu Glu Arg Asn Gly Thr Leu Gln Asp Asn Thr
 915 920 925
 Ala Gln Thr Ser Ala Tyr Ile Gln Tyr Glu Pro His Leu Leu Phe Ser
 930 935 940
 Ser Glu Ser Thr Leu His Arg Tyr Glu Val His Pro Tyr Gly Thr Leu
 945 950 955 960

Pro Val Gly Pro Gly Pro Glu Phe Lys Thr Thr Leu Arg Val Gln Asn
 965 970 975
 Leu Gly Cys Tyr Val Val Ser Gly Leu Ile Ile Ser Ala Leu Leu Pro
 980 985 990
 Ala Val Ala His Gly Gly Asn Tyr Phe Leu Ser Leu Ser Gln Val Ile
 995 1000 1005
 Thr Asn Asn Ala Ser Cys Ile Val Gln Asn Leu Thr Glu Pro Pro Gly
 1010 1015 1020
 Pro Pro Val His Pro Glu Glu Leu Gln His Thr Asn Arg Leu Asn Gly
 1025 1030 1035 1040
 Ser Asn Thr Gln Cys Gln Val Val Arg Cys His Leu Gly Gln Leu Ala
 1045 1050 1055
 Lys Gly Thr Glu Val Ser Val Gly Leu Leu Arg Leu Val His Asn Glu
 1060 1065 1070
 Phe Phe Arg Arg Ala Lys Phe Lys Ser Leu Thr Val Val Ser Thr Phe
 1075 1080 1085
 Glu Leu Gly Thr Glu Glu Gly Ser Val Leu Gln Leu Thr Glu Ala Ser
 1090 1095 1100
 Arg Trp Ser Glu Ser Leu Leu Glu Val Val Gln Thr Arg Pro Ile Leu
 1105 1110 1115 1120
 Ile Ser Leu Trp Ile Leu Ile Gly Ser Val Leu Gly Gly Leu Leu Leu
 1125 1130 1135
 Leu Ala Leu Leu Val Phe Cys Leu Trp Lys Leu Gly Phe Phe Ala His
 1140 1145 1150
 Lys Lys Ile Pro Glu Glu Glu Lys Arg Glu Glu Lys Leu Glu Gln
 1155 1160 1165

<210> 436
 <211> 23
 <212> PRT
 <213> Homo sapiens

<400> 436
 Met Ser Val Leu Leu Leu Ser Ser Ser Cys Gly Ala Ala Phe Ala Val
 1 5 10 15

Leu Cys Pro Pro His Cys Glu
 20

<210> 437
 <211> 56

<212> PRT
<213> Homo sapiens

<400> 437
Gly Trp Phe His Leu Phe Trp Gln Glu Trp Glu Gln Glu Pro Gly Gln
1 5 10 15
Asn Lys Leu Leu Glu Ala Leu Val Leu Gly Thr Ala Ala Gly Arg Val
20 25 30
Gly Thr Arg Gln Asn Cys Leu Gln Asp Glu Ser Gln Glu Arg Thr Leu
35 40 45
Ser Pro Val Ser Gly Val Trp Leu
50 55

<210> 438
<211> 3
<212> PRT
<213> Homo sapiens

<400> 438
Gly Tyr Ser
1

<210> 439
<211> 68
<212> PRT
<213> Homo sapiens

<400> 439
Met Asp Lys Cys Leu Ile Ile Leu Cys Ile Phe Leu Leu Phe Val Lys
1 5 10 15
Gln Leu Ile Ile Phe Lys Thr Ile Leu Lys Gly Met Lys Val Gly Ile
20 25 30
Thr Gly Arg Gln Leu Ser Ile Arg Tyr Lys Asp Glu Phe Ser Ser Arg
35 40 45
Val Arg Cys Asn Lys Asp Ile Ala Thr Leu Tyr Pro Tyr Val Tyr Thr
50 55 60
Ser Asn Phe Tyr
65

<210> 440
<211> 42
<212> PRT
<213> Homo sapiens

<220>
 <221> SITE
 <222> (38)
 <223> Xaa equals any of the naturally occurring amino acids

 <400> 440
 Met Leu Leu Phe Trp Ala Ile Phe Ala Ser Tyr Val Ser Ile Gln Ser
 1 5 10 15

 Met His Phe Arg Cys Cys Gly Arg Glu Ile Phe Gly Gly Ala Gly Thr
 20 25 30

 Ser Lys Thr Gly Ile Xaa Leu Lys Ser Gln
 35 40

<210> 441
 <211> 17
 <212> PRT
 <213> Homo sapiens

<400> 441
 Met Thr Cys Phe Cys Gln Ile Lys Tyr Arg Tyr His Trp Gly Phe Leu
 1 5 10 15

 Phe

<210> 442
 <211> 42
 <212> PRT
 <213> Homo sapiens

<400> 442
 Met Glu Lys Leu Leu Gln His Leu Gly Val Val Phe Leu Leu Asp Ile
 1 5 10 15

 Cys Arg Ser Tyr Leu Lys Val Thr Arg Asn Pro Glu Leu Ser Ile Cys
 20 25 30

 Glu Ala Ile Ser Ala Asn Ala Glu Leu Thr
 35 40

<210> 443
 <211> 19
 <212> PRT
 <213> Homo sapiens

<400> 443
 Met Tyr Ala Phe Leu Gln Gly Phe Ile Phe Leu Leu Leu Phe Phe Phe
 1 5 10 15

Ile Ala Glu

<210> 444
<211> 124
<212> PRT
<213> Homo sapiens

<400> 444
Met Ala Asp Thr Ala Cys Asp Ser Asp Val Leu Leu Gln Leu Val Leu
1 5 10 15
Val Trp Leu Gly Glu Val Leu Gly Val Ile Gly Asp Cys Pro Glu Leu
20 25 30
Val Gln Arg Ser Phe Leu Val Ala Ser Val Leu Pro Gly Pro Asp Gly
35 40 45
Asn Ile Asn Ser Pro Thr Arg Asn Ala Asp Met Gln Glu Glu Leu Ile
50 55 60
Ala Ser Leu Glu Glu Gln Leu Lys Leu Ser Gly Glu His Ser Glu Ser
65 70 75 80
Ser Thr Pro Arg Pro Arg Ser Ser Pro Glu Glu Thr Ile Glu Pro Glu
85 90 95
Ser Leu His Gln Leu Phe Glu Gly Glu Ser Glu Thr Glu Ser Phe Tyr
100 105 110
Gly Phe Glu Glu Ala Asp Leu Asp Leu Met Glu Ile
115 120

<210> 445
<211> 2
<212> PRT
<213> Homo sapiens

<400> 445
Gly Ala
1

<210> 446
<211> 76
<212> PRT
<213> Homo sapiens

<400> 446
Leu Val Pro Leu Leu Pro Gly Pro Leu Val Arg Asn Cys Phe Cys Leu
1 5 10 15

His Val Gly Val Gly Ser Ser Val Gly Gly Gly Ala Pro Cys Pro Gly
20 25 30
Cys Arg Pro Ala Ser Cys Ala Arg Ala Pro Phe Arg Wl Gly Leu Asp
35 40 45
His Pro Ser Pro His Gln Gly Pro His Cys Glu Val Ile Thr Ala Leu
50 55 60
Asn Pro Pro Leu Leu Phe Tyr Leu Leu Asn Leu Ile
65 70 75

<210> 447
<211> 203
<212> PRT
<213> Homo sapiens

<400> 447
Met Gly Ile Lys Thr Ala Leu Pro Ala Ala Glu Leu Gly Leu Tyr Ser
1 5 10 15
Leu Val Leu Ser Gly Ala Leu Ah Tyr Ala Gly Arg Gly Leu Leu Glu
20 25 30
Ala Ser Gln Asp Gly Ala His Arg Lys Ala Phe Arg Glu Ser Val Arg
35 40 45
Pro Gly Trp Glu Tyr Ile Gly Arg Lys Met Ap Val Ala Asp Phe Glu
50 55 60
Trp Val Met Trp Phe Thr Ser Phe Arg Asn Val Ile Ile Phe Ala Leu
65 70 75 80
Ser Gly His Val Leu Phe Ala Lys Leu Cys Thr Met Va Ala Pro Lys
85 90 95
Leu Arg Ser Trp Met Tyr Ala Val Tyr Gly Ala Leu Ala Val Met Gly
100 105 110
Thr Met Gly Pro Trp Tyr Leu Leu Leu Leu Leu Gly His Cg Val Gly
115 120 125
Leu Tyr Val Ala Ser Leu Leu Gly Gln Pro Trp Leu Cys Leu Gly Leu
130 135 140
Gly Leu Ala Ser Leu Ala Ser Phe Lys Met Asp Pro Leu Ile Ser Trp
145 150 155 160
Gln Ser Gly Phe Val Thr Gly Thr Phe Asp Leu Gln Glu Val Leu Phe
165 170 175
His Gly Gly Ser Ser Phe Thr Cys Cys Val Ala Pro Ala Leu His Trp
180 185 190
Arg Ala Val Pro Thr Leu Thr Ala Thr Thr Pro

195

200

<210> 448
 <211> 29
 <212> PRT
 <213> Homo sapiens

<400> 448
 Met Phe Ser Cys Phe Ser Leu Val Val Phe Ile Leu PheSer Leu Gly
 1 5 10 15
 Phe Phe Cys Asn Ala Phe Val Gln Leu Ile Leu Ser Cys
 20 25

<210> 449
 <211> 42
 <212> PRT
 <213> Homo sapiens

<400> 449
 Val Lys Val Leu Trp Leu Ile Leu Phe Ile Leu Ser Cys Ser Leu Ala
 1 5 10 15
 Gly Tyr Trp Gln Thr Gln Ser Phe Cys Phe His Lys Glu Leu Met Lys
 20 25 30
 Arg Thr Ile Gly Glu Thr His Val Cys Leu
 35 40

<210> 450
 <211> 34
 <212> PRT
 <213> Homo sapiens

<400> 450
 Met Ile Ser Met Cys Gln Met Leu Arg Thr Thr Val Met Thr His Leu
 1 5 10 15
 Trp Ile Val Thr Trp Ile Gln Arg Ser Trp Gln Glu Ser Gly Asp Ile
 20 25 30
 Arg Val

<210> 451
 <211> 23
 <212> PRT
 <213> Homo sapiens

<400> 451

Met Gln Ser Trp Leu Trp Ala Ala Val Cys Ser Ala Gly Gs Pro Cys
1 5 10 15

Phe Trp Gly Met Lys Ala Leu
20

<210> 452

<211> 31

<212> PRT

<213> Homo sapiens

<400> 452

Met Leu Ser Pro Phe Thr Leu Leu Leu Ser Tyr Ala Thr Ile Val His
1 5 10 15

Phe Cys Met Pro Leu Ile Pro Phe Leu Leu Ile Leu Thr Ile Lys
20 25 30

<210> 453

<211> 107

<212> PRT

<213> Homo sapiens

<400> 453

Met Ala Gln Gln Asp Pro Gly Leu Pro Phe Leu Phe Trp Phe Ser Val
1 5 10 15

Ala Ser Leu Ile Thr Leu Phe His Leu Phe Leu Phe Lys Leu Ser Phe
20 25 30

Gly Gly Leu Gln Phe Thr Glu Asn His Leu Gln Phe Gln Ala Asp Pro
35 40 45

Asp Val Leu His Asn Ser Tyr Ala Leu His Gly Ile Arg Tyr Lys Asn
50 55 60

Asp His Ile Asn Leu Ala Val Leu Ala Asp Ala Glu Gly Lys Pro Tyr
65 70 75 80

Leu His Val Ser Val Glu Ser Arg Gly Gln Pro Val Lys Ile Tyr Ala
85 90 95

Cys Lys Gln Ala Ala Trp Thr Ser Gln Trp Ser
100 105

<210> 454

<211> 36

<212> PRT

<213> Homo sapiens

<400> 454
Met Asn Ala Ala Val Leu Leu Thr Leu Val Phe Phe Leu Leu Leu Tyr
1 5 10 15
Leu Phe Tyr Leu Gly Val Leu Gly Ser Asp Pro Ala Tyr Leu Pro Leu
20 25 30
Leu Lys Lys Ser
35

<210> 455
<211> 8
<212> PRT
<213> Homo sapiens

<400> 455
Lys Ser Ile Leu Gly Ser His Ser
1 5

<210> 456
<211> 31
<212> PRT
<213> Homo sapiens

<400> 456
Met Ile Ser Met Lys Met Ile Leu Val Ile Leu Val Thr Leu Ala Leu
1 5 10 15
Pro Val Ala Gln Leu His Leu Leu Leu Leu Val Leu Lys Ile Gln
20 25 30

<210> 457
<211> 4
<212> PRT
<213> Homo sapiens

<400> 457
Phe Pro Tyr Ser
1

<210> 458
<211> 28
<212> PRT
<213> Homo sapiens

<400> 458
Met Val Phe Ser Cys His Leu Leu Phe Leu Ile Arg Cys Leu Tyr Ser
1 5 10 15

Cys Gly His Leu Ser Ser Thr Leu Gln His Ile Ile
 20 25

<210> 459
 <211> 89
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (34)
 <223> Xaa equals any of the naturally occurring amino acids

<400> 459
 Met Val Cys Thr Tyr Phe Leu Pro Phe Cys Asn Val Phe Leu Cys Leu
 1 5 10 15
 Leu Phe Leu Trp Leu Cys Arg Ser Phe Phe Ile Cys Cys Asn Leu Ile
 20 25 30
 Phe Xaa Ser Leu Leu Phe Leu Leu Val Leu Leu Glu Ser Tyr Pro Lys
 35 40 45
 Asn His Cys Pro Val Gln Ser Gln Glu Thr Phe Pro Tyr Ile Phe Phe
 50 55 60
 Ser Ser Phe Ile Ile Leu Gly Leu Thr Cys Lys Ser Leu Ile Gln Phe
 65 70 75 80
 Glu Leu Ile Phe Val Tyr Gly Val Arg
 85

<210> 460
 <211> 28
 <212> PRT
 <213> Homo sapiens

<400> 460
 Met Ala Arg Asn Val Trp Phe Phe Ile Val Ser Phe Cys Tyr Lys Phe
 1 5 10 15
 Leu Ser Tyr Phe Arg Ala Ser Ser Thr Leu Lys Val
 20 25

<210> 461
 <211> 9
 <212> PRT
 <213> Homo sapiens

<400> 461
 Met Pro Leu Pro Ser Ser Gly Gln Phe

1 5

<210> 462
<211> 49
<212> PRT
<213> Homo sapiens

<400> 462
Met Leu Ala Trp Gln His Phe Gln Ile Ala Phe Cys Leu Leu Gly Ser
1 5 10 15
Trp Gly Phe Gly Gly Arg Gly Ser Ile Ser Thr Leu His Glu Ile Ala
20 25 30
Tyr Phe Ile Met Met Glu Leu Leu Phe Leu Leu Ser Cys Asp Phe Phe
35 40 45
Phe

<210> 463
<211> 68
<212> PRT
<213> Homo sapiens

<400> 463
Leu Ala Ser Gly Pro Gly Ala Thr Leu Arg Cys Leu Val Trp Leu Trp
1 5 10 15
Ser Leu Ser Leu Arg Ala Leu Leu Pro Leu Ser His Ala Val Trp Trp
20 25 30
Val Ile Leu Cys Pro Glu Pro Pro Pro Trp Thr Gly Pro Val Ser Arg
35 40 45
Ala Gly Thr Pro Cys Leu Phe Ser Leu Phe Arg His Asn Ser Arg Ser
50 55 60
Leu Ala Ser His
65

<210> 464
<211> 29
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring amino acids

<400> 464
 Met Glu Gly Lys Leu Thr Thr Ser Lys Ile Leu Ile Val Gly Lys Val
 1 5 10 15

Phe Trp Val Ser Cys Thr Leu Phe Tyr Ile Xaa Phe Phe
 20 25

<210> 465
 <211> 48
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (2)
 <223> Xaa equals any of the naturally occurring amino acids

<400> 465
 Met Xaa Leu Gln Gly Leu Pro Gly Thr Ser Gly Thr Gly Leu Gly Cys
 1 5 10 15

Leu Leu Cys Leu Val Leu Phe Leu Ser Ile Ala Val Thr Asn Lys Gly
 20 25 30

Met Glu Glu Gln Ser Asp Lys Lys Lys Lys Lys Lys Lys Lys Asn Ser
 35 40 45

<210> 466
 <211> 16
 <212> PRT
 <213> Homo sapiens

<400> 466
 Met Ala Leu Arg Leu Ala Arg Met Trp Leu Ser Ser Leu Ala Ser Val
 1 5 10 15

<210> 467
 <211> 1
 <212> PRT
 <213> Homo sapiens

<400> 467
 Ile
 1

<210> 468
 <211> 71
 <212> PRT
 <213> Homo sapiens

<400> 468
 Met Val Gln His Lys Thr Thr Phe Gln Val Leu PheLeu Phe Gly Val
 1 5 10 15
 Ser Phe Gln Val Phe Lys Cys Ile Ser Gln Pro Glu His Leu Phe Asn
 20 25 30
 His Ile His Gly Ser Leu Leu Asn Ala Glu Leu Leu HisMet Leu Asp
 35 40 45
 Leu Lys Ile Ile Ile Ile Glu Glu Thr Ile Gly Leu Val Val Pro Arg
 50 55 60
 Lys Val Ser Asp Val Tyr Val
 65 70

<210> 469
 <211> 23
 <212> PRT
 <213> Homo sapiens

<400> 469
 Val Gln Thr Tyr Val Val Leu Leu His Phe Ala Leu Ser Cys Phe Ala
 1 5 10 15
 Asp Ile Val Phe Phe Thr Asn
 20

<210> 470
 <211> 32
 <212> PRT
 <213> Homo sapiens

<400> 470
 Tyr Leu Leu Lys Ile Ser Leu Phe Leu Gly Ala Val Tyr Val Thr Leu
 1 5 10 15
 His Ser Ser Gly Ser Cys His Val Phe Met Ser Glu Tyr Phe Trp Phe
 20 25 30

<210> 471

<211> 32
 <212> PRT
 <213> Homo sapiens

<400> 471
 Lys Ala Ile Trp Phe Leu Ile Leu Cys Thr Thr His Ser Ile Leu Ile
 1 5 10 15
 Ile Thr Phe Ile Tyr Lys Lys Asn Lys Glu Asn Asn Ser Lys Leu Cys
 20 25 30

<210> 472
 <211> 55
 <212> PRT
 <213> Homo sapiens

<400> 472
 Met Trp Ala Leu Lys Ser Leu Phe Leu Leu Thr Pro Ser Pro Val Ile
 1 5 10 15
 Arg Phe Tyr Phe Ala Ala Leu Trp Ile Arg Ala Ala Gly Arg Leu Leu
 20 25 30
 Gly Gly Gly Gly Ser Pro Thr Pro Pro Thr Ser Leu Ala Pro Gly Phe
 35 40 45
 Ser Glu Ala Gly Gly Leu Cys
 50 55

<210> 473
 <211> 23
 <212> PRT
 <213> Homo sapiens

<400> 473
 Val Gly His Phe Trp Val Val Ile Trp Leu Val Arg Ser Met Ser Asp
 1 5 10 15
 Arg Met Asn Lys Asn Ala Leu
 20

<210> 474
 <211> 43
 <212> PRT
 <213> Homo sapiens

<400> 474
 Met Gly Ile Phe Asp Tyr Lys Leu Phe Ser His Tyr Phe Lys Ala Cys

1	5	10	15
Phe Ile Phe Phe Leu Ile Leu Leu Thr His Leu Cys Leu Ser Leu Phe	20	25	30
Tyr Tyr Lys Leu Phe Ile Val Gln Ser Leu Pro	35	40	
<210> 475			
<211> 265			
<212> PRT			
<213> Homo sapiens			
<400> 475			
Met Gly Gly Gln Val Ala Gly Val Tyr Ala Ala Tyr Tyr Pro Ser Asp	1	5	10
Val Ser Ser Leu Cys Leu Val Cys Pro Ala Gly Leu Gln Tyr Ser Thr	20	25	30
Asp Asn Gln Phe Val Gln Arg Leu Lys Glu Leu Gln Gly Ser Ala Ala	35	40	45
Val Glu Lys Ile Pro Leu Ile Pro Ser Thr Pro Glu Glu Met Ser Glu	50	55	60
Met Leu Gln Leu Cys Ser Tyr Val Arg Phe Lys Val Pro Gln Gln Ile	65	70	75
Leu Gln Gly Leu Val Asp Val Arg Ile Pro His Asn Asn Phe Tyr Arg	85	90	95
Lys Leu Phe Leu Glu Ile Val Ser Glu Lys Ser Arg Tyr Ser Leu His	100	105	110
Gln Asn Met Asp Lys Ile Lys Val Pro Thr Gln Ile Ile Trp Gly Lys	115	120	125
Gln Asp Ala Gly Ala Gly Cys Val Trp Gly Arg His Val Gly Gln Val	130	135	140
Asn Cys Gln Leu Pro Gly Gly Ala Ser Gly Lys Leu Trp Ala Leu Ser	145	150	155
Ser Asp Gly Lys Thr Gln Glu Asp Ser Gln Ala His Asn Arg Leu Phe	165	170	175
Ser Phe Cys Ala Gln His Arg Gln Gln Gln Glu Ala Gly Leu Arg Pro	180	185	190
Arg Leu Gln Pro Ala Phe Cys Thr Gln His Leu Leu Pro Ser Pro Lys	195	200	205
Ser Asp Ala Ala Thr Thr Leu Arg Asp Pro Ala Pro Asn Ala Val Gly	210	215	220

Ala Pro Val Thr Leu Arg Lys Pro Val Pro Tyr Pro Trp Tyr Pro Arg
 225 230 235 240

Phe Pro Arg Ala Leu Gly Thr Thr Arg Lys Pro Pro Arg Tyr Phe Ser
 245 250 255

Gln Asn Arg Asn Ser Tyr Gly Thr Lys
 260 265

<210> 476
 <211> 27
 <212> PRT
 <213> Homo sapiens

<400> 476
 Met Val Val His Ile Leu Trp Ser Trp Cys Cys Arg Gly Leu Ala Gly
 1 5 10 15

Thr Ala Ala Leu Pro Arg Val Leu Phe Tyr Phe
 20 25

<210> 477
 <211> 25
 <212> PRT
 <213> Homo sapiens

<400> 477
 Met Ala Leu Cys Ser Leu Ala Val Phe Cys Pro Ser Thr Ile Leu Gly
 1 5 10 15

Cys Asp Leu Val Gln Leu Gly Pro Glu
 20 25

<210> 478
 <211> 1
 <212> PRT
 <213> Homo sapiens

<400> 478
 Ile
 1

<210> 479
 <211> 38
 <212> PRT
 <213> Homo sapiens

<400> 479

Met Leu Leu Val Ala Leu Pro Cys Phe Leu Gln Asn Cys Pro Trp Ser
 1 5 10 15
 Ser Arg Val Leu Glu Thr Leu Cys Leu Leu Asn Gly Pro Leu Phe Leu
 20 25 30
 Cys Cys Ala Leu Asp Gly
 35

<210> 480
 <211> 145
 <212> PRT
 <213> Homo sapiens

<400> 480
 Lys Ser Gln Val Phe Ser Tyr Pro His Arg Tyr Leu Val Leu Asp Leu
 1 5 10 15
 Ala Leu Leu Phe Leu Met Gly Ile Leu Glu Ala Val Arg Leu Tyr Leu
 20 25 30
 Gly Thr Arg Gly Asn Leu Thr Glu Ala Glu Arg Pro Leu Ala Ala Ser
 35 40 45
 Leu Ala Leu Thr Ala Gly Thr Ala Leu Leu Ser Ala His Phe Leu Leu
 50 55 60
 Trp Gln Ala Leu Val Leu Trp Ala Asp Trp Ala Leu Ser Ala Thr Leu
 65 70 75 80
 Leu Ala Leu His Gly Leu Glu Ala Val Leu Gln Val Val Ala Ile Ala
 85 90 95
 Ala Phe Thr Arg Gly Phe Gly Gly Glu Val Arg Ala Lys Ala Gly Asp
 100 105 110
 Glu Thr Ala Gly Glu Arg Ala Ala Glu Gly His Ile Arg Ser Leu Arg
 115 120 125
 Pro Leu Gln Phe Tyr Gln Leu Leu Pro Phe Cys Thr Glu Leu Asn Lys
 130 135 140
 Phe
 145

<210> 481
 <211> 211
 <212> PRT
 <213> Homo sapiens

<400> 481
 Met Thr Thr Leu Thr Arg Gln Asp Leu Asn Phe Gly Gln Val Val Ala
 1 5 10 15

Asp Val Leu Cys Glu Phe Leu Glu Val Ala Val His Leu Ile Leu Tyr
 20 25 30
 Val Arg Glu Val Tyr Pro Val Gly Ile Phe Gln Lys Arg Lys Lys Tyr
 35 40 45
 Asn Val Pro Val Gln Met Ser Cys His Pro Glu Leu Asn Gln Tyr Ile
 50 55 60
 Gln Asp Thr Leu His Cys Val Lys Pro Leu Leu Glu Lys Asn Asp Val
 65 70 75 80
 Glu Lys Val Val Val Val Ile Leu Asp Lys Glu His Arg Pro Val Glu
 85 90 95
 Lys Phe Val Phe Glu Ile Thr Gln Pro Pro Leu Leu Ser Ile Ser Ser
 100 105 110
 Asp Ser Leu Leu Ser His Val Glu Gln Leu Leu Arg Ala Phe Ile Leu
 115 120 125
 Lys Ile Ser Val Cys Asp Ala Val Leu Asp His Asn Pro Pro Gly Cys
 130 135 140
 Thr Phe Thr Val Leu Val His Thr Arg Glu Ala Ala Thr Arg Asn Met
 145 150 155 160
 Glu Lys Ile Gln Val Ile Lys Asp Phe Pro Trp Ile Leu Ala Asp Glu
 165 170 175
 Gln Asp Val His Met His Asp Pro Arg Leu Ile Pro Leu Lys Thr Met
 180 185 190
 Thr Ser Asp Ile Leu Lys Met Gln Leu Tyr Val Glu Glu Arg Ala His
 195 200 205
 Lys Gly Ser
 210

<210> 482
 <211> 46
 <212> PRT
 <213> Homo sapiens

<400> 482
 Met Leu Gln Thr Cys Ser Val Val Leu His Phe Ile Leu CysLeu Cys
 1 5 10 15
 Val Cys Val Phe Arg Leu Ile Gln Val Val Cys Tyr Ile Ser Cys Ile
 20 25 30
 Ile Tyr Lys Val Thr Gln Asn Ile Lys Ser Ser Lys Leu Val
 35 40 45

<210> 483
 <211> 122
 <212> PRT
 <213> Homo sapiens

<400> 483
 Met Pro Asn Thr Phe Tyr Leu Ser Leu His Gly Ser Leu Val Asn Ser
 1 5 10 15
 Phe Ala Val Thr Ser Leu Ala Leu Leu Asn Pro Ser Ser Gly Val Ser
 20 25 30
 Tyr Ser Phe Leu Lys Asn Lys Trp Val Leu Thr Leu Val Ser Lys Ser
 35 40 45
 Leu Cys Asn Leu Val Pro Val Ser Leu Ser Leu Ser Leu Ser Leu Ser
 50 55 60
 Ala Ser Phe Val Leu Leu Gly Leu Ala Cys Arg Thr Leu Ala Phe Val
 65 70 75 80
 Lys Cys Pro Ser Ser Val Leu Phe Pro Pro Pro Gly Met Ser Val Ser
 85 90 95
 Leu Phe Leu Pro Thr His Ser Ala Pro Pro Ser Cys Lys Pro Leu Ser
 100 105 110
 Val Pro Ser Leu His Val Leu Trp Trp Gln
 115 120

<210> 484
 <211> 29
 <212> PRT
 <213> Homo sapiens

<400> 484
 Met Leu Cys Val Leu Val Leu Phe Ile Leu Tyr Leu Pro Gly Phe Ser
 1 5 10 15
 Lys Ser Asn Gln Asp Val Pro Trp Gly Asp Ile Leu Cys
 20 25

<210> 485
 <211> 60
 <212> PRT
 <213> Homo sapiens

<400> 485
 Met Leu Tyr Trp Gly Asn Val Ala Leu Val Leu Pro Thr Pro Tyr Leu
 1 5 10 15

His Leu Ser Leu Thr Leu Leu Leu Ser Pro Glu Trp Leu Gly Glu Met
20 25 30
Gly Arg Gly Leu Pro Trp Pro Gly His Leu Val Ala Ala Trp Leu Asp
35 40 45
His Ile Ala Asn Glu Leu Gly Arg Gly Ala Ile Phe
50 55 60

<210> 486
<211> 49
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (40)
<223> Xaa equals any of the naturally occurring amino acids

<220>
<221> SITE
<222> (48)
<223> Xaa equals any of the naturally occurring amino acids

<400> 486
Met Lys Gly His Ser Ser Lys Leu Phe Cys Leu Val Val Trp Gly Phe
1 5 10 15
Leu Cys Phe Leu Phe Leu Gly Cys Phe Phe Phe Asn Cys Leu Val Gln
20 25 30
Lys Lys Lys Glu Lys Lys Asn Xaa Gly Gly Ala Pro Glu Pro Asn Xaa
35 40 45
Pro

<210> 487
<211> 5
<212> PRT
<213> Homo sapiens

<400> 487
Trp Ala Ser Leu Thr
1 5

<210> 488
<211> 22
<212> PRT
<213> Homo sapiens

<400> 488
 Met Thr Cys Leu Ser Cys Leu Ile Ser Phe Leu Ala Ser Leu Ser Ala
 1 5 10 15

Asn Trp Ala Ser Thr Arg
 20

<210> 489
 <211> 11
 <212> PRT
 <213> Homo sapiens

<400> 489
 Met Lys Pro Ser Trp Gln Leu Pro Ser Cys Ala
 1 5 10

<210> 490
 <211> 26
 <212> PRT
 <213> Homo sapiens

<400> 490
 Met Lys Tyr Cys Phe Arg Pro Trp Val Leu Cys Asp Thr Thr Leu Gly
 1 5 10 15

Ile Gly Leu Phe Gly Phe Ala Leu Cys Phe
 20 25

<210> 491
 <211> 12
 <212> PRT
 <213> Homo sapiens

<400> 491
 Leu Leu Val Leu Leu Gln Ile Met Lys Gly Asn Leu
 1 5 10

<210> 492
 <211> 55
 <212> PRT
 <213> Homo sapiens

<400> 492
 Met Gly Gly Asp Gln Arg Ser Met Gly Leu Ala Cys Glu Ser Pro Leu
 1 5 10 15

Ala Ala Trp Ser Leu Gly Ile Thr Pro Ala Leu Val Leu Gln Met Leu
 20 25 30

Leu Gly Phe Ile Gly Ala Gly Pro Ser Arg Ala Gly Pro Leu Thr Leu
 35 40 45

Pro Ala Trp Leu His Ser Pro
 50 55

<210> 493
 <211> 120
 <212> PRT
 <213> Homo sapiens

<400> 493
 Met Met Cys Val Val Leu Thr Thr Leu Pro Cys Leu Thr Phe Ser Ile
 1 5 10 15
 Ala Val Thr Glu Val Gln Lys Ser Ile Asn Gly Ser Ala Asp Val Leu
 20 25 30
 Pro Asp Met Leu Pro Asp Leu Pro Val Ser Leu Val Leu Leu Ser Leu
 35 40 45
 Ile Met Val Asp Ile Ile Glu Lys Leu Arg Ile Tyr Pro Leu Arg Gly
 50 55 60
 Ser Gln Lys Ser Lys Cys Ser Phe Lys Cys Glu Tyr Phe Leu Lys Phe
 65 70 75 80
 Asp Ile Phe Phe Thr Phe Leu Pro Leu Cys Tyr Leu Thr Thr Cys Leu
 85 90 95
 Met Ile Pro Phe Leu Arg Ala Asn Ile Thr Asp Arg Arg Leu Gln Met
 100 105 110
 Lys Ile Ser Lys His Asn Tyr Phe
 115 120

<210> 494
 <211> 20
 <212> PRT
 <213> Homo sapiens

<400> 494
 Met Gly Thr Ile Lys Pro Trp Lys Ser Ser Ala Val Val Gly Gly Pro
 1 5 10 15
 Gly His Gln Gly
 20

<210> 495
 <211> 425
 <212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (264)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (274)

<223> Xaa equals any of the naturally occurring amino acids

<220>

<221> SITE

<222> (278)

<223> Xaa equals any of the naturally occurring amino acids

<220>

<221> SITE

<222> (296)

<223> Xaa equals any of the naturally occurring amino acids

<400> 495

Met Glu Leu Leu Pro Leu Trp Leu Cys Leu Gly Phe His Phe Leu Thr
1 5 10 15

Val Gly Trp Arg Asn Arg Ser Gly Thr Ala Thr Ala Ala SerGln Gly
20 25 30

Val Cys Lys Leu Val Gly Gly Ala Ala Asp Cys Arg Gly Gln Ser Leu
35 40 45

Ala Ser Val Pro Ser Ser Leu Pro Pro His Ala Arg Met Leu Thr Leu
50 55 60

Asp Ala Asn Pro Leu Lys Thr Leu Trp Asn His Ser Leu Gln Pro Tyr
65 70 75 80

Pro Leu Leu Glu Ser Leu Ser Leu His Ser Cys His Leu Glu Arg Ile
85 90 95

Ser Arg Gly Ala Phe Gln Glu Gln Gly His Leu Arg Ser Leu Val Leu
100 105 110

Gly Asp Asn Cys Leu Ser Glu Asn Tyr Glu Glu Thr Ala Ala Ala Leu
115 120 125

His Ala Leu Pro Gly Leu Arg Arg Leu Asp Leu Ser Gly Asn Ala Leu
130 135 140

Thr Glu Asp Met Ala Ala Leu Met Leu Gln Asn Leu Ser Ser Leu Arg
145 150 155 160

Ser Val Ser Leu Ala Gly Asn Thr Ile Met Arg Leu Asp Asp Ser Val
165 170 175

Phe Glu Gly Leu Glu Arg Leu Arg Glu Leu Asp Leu Gln Arg Asn Tyr

Val Leu Val Leu Ala Val Gln Leu Gly Gln Gln Val Leu Glu Cys Arg
 20 25 30
 Ala Val Leu Ala Gly Leu Arg Thr Pro Gly Gly Pro Cys Gly Leu Ser
 35 40 45
 Arg Arg Ser Trp
 50

<210> 497
 <211> 7
 <212> PRT
 <213> Homo sapiens

<400> 497
 Met Gln Val Phe Glu Phe Phe
 1 5

<210> 498
 <211> 60
 <212> PRT
 <213> Homo sapiens

<400> 498
 Met Arg Ser Val Pro Ala Ile Leu Gln Met Leu Trp Ile Leu Arg Arg
 1 5 10 15
 Ser Thr Asn Trp Thr Leu Tyr Leu Ile Leu His Gly Cys Pro Ala Val
 20 25 30
 Val Cys Ala Trp Pro Arg Gln His Ala Pro Trp Gly Met Val Arg Leu
 35 40 45
 Trp Val Pro Thr Ala Ala Pro Ala Ala Leu Ser Pro
 50 55 60

<210> 499
 <211> 23
 <212> PRT
 <213> Homo sapiens

<400> 499
 Met Ala Phe Leu Pro Ser Pro Ala Trp Trp Ile Ser Leu Leu Pro Ser
 1 5 10 15
 Leu Leu Ser Ile Ala Arg Ser
 20

<210> 500
 <211> 62
 <212> PRT
 <213> Homo sapiens

<400> 500
 Met Glu Gln Glu Pro Val Arg Arg Tyr Pp Leu Val Pro Leu Val Pro
 1 5 10 15
 Leu Val Val Val Ala Val Trp Gly Phe Phe Pro Gly Gly Ser Glu Ser
 20 25 30
 Ser Ser Ser Glu Leu Asp Ser Ile Ser Leu Ag Ser Ser Leu Asp Thr
 35 40 45
 Leu Pro Leu Glu Thr Ala Leu Gln Ala Ile Phe Thr Ile Lys
 50 55 60

<210> 501
 <211> 16
 <212> PRT
 <213> Homo sapiens

<400> 501
 Leu Phe Val Phe Phe Cys Phe Val Leu Val Phe Phe Phe Phe Leu Ala
 1 5 10 15

<210> 502
 <211> 12
 <212> PRT
 <213> Homo sapiens

<400> 502
 Met Leu Leu Leu Ser Ile Val Leu Leu Leu Ile Leu
 1 5 10

<210> 503
 <211> 29
 <212> PRT
 <213> Homo sapiens

<400> 503
 Met Leu Met Ala Ser Ala Leu Ser Arg Cys Ala Gly Ala Ala Val Leu
 1 5 10 15
 Val Leu Leu Leu Trp Leu Ala Val Asp Trp Ala Leu Met
 20 25

<210> 504
<211> 41
<212> PRT
<213> Homo sapiens

<400> 504
Met Lys Leu Phe Phe Cys Leu Cys Ala Gly Leu Ile Leu Glu Phe Gln
1 5 10 15
Lys Ala Leu Trp Glu Arg Lys Arg Leu Leu Asn Lys Val Trp Asn Arg
20 25 30
Ala Pro His Ser Asp Asn Met Gln Ser
35 40

<210> 505
<211> 17
<212> PRT
<213> Homo sapiens

<400> 505
Met Ser Ser Leu Leu Leu Ile Ile Ile Leu Ala Leu Ser Leu Ala Tyr
1 5 10 15
Glu

<210> 506
<211> 33
<212> PRT
<213> Homo sapiens

<400> 506
Met Trp Met Ala Lys Pro Thr Cys Tyr Leu Ala Leu Thr Gly Trp Ser
1 5 10 15
Cys Trp Arg Thr Cys Trp Glu Arg Ser Gly Trp Ala Leu Tyr Leu Gln
20 25 30
Pro

<210> 507
<211> 29
<212> PRT
<213> Homo sapiens

<400> 507
Ala Pro Leu Cys His Cys Pro Tyr Phe Gly Phe Cys Lys His Pro Leu

1 5 10 15
 Arg Leu Val Ser Ser Leu Gly Lys Gln Ala Ser Thr Ser
 20 25

<210> 508
 <211> 60
 <212> PRT
 <213> Homo sapiens

<400> 508
 Met Gly Phe His Leu Leu Leu Gly Leu Val Asn Leu Leu Gly Leu Val
 1 5 10 15
 Asn Cys Phe Leu Leu Gly Lys Pro Asn Tyr Leu Ser Leu Ile Val Ser
 20 25 30
 Ile Val Ala Pro Leu Thr Phe Leu Phe Ser Phe Ile Ser Asn Ile Lys
 35 40 45
 Lys Lys Lys Lys Lys Gly Gly Arg Ser Arg Gly Ser
 50 55 60

<210> 509
 <211> 52
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (18)
 <223> Xaa equals any of the naturally occurring amino acids

<400> 509
 Met Ser Leu Thr Thr Leu Trp Thr Leu Asp Lys Leu Leu Cys Val
 1 5 10 15
 Cys Xaa Leu Ile Cys Lys Met Lys Ile Ile Ser Val Ser Tyr Arg Tyr
 20 25 30
 Ser Leu Asn Arg Asp Asn Tyr Thr Tyr Phe Lys Val Val Lys Tyr Thr
 35 40 45
 Ile Thr Thr Arg
 50

<210> 510
 <211> 42
 <212> PRT
 <213> Homo sapiens

<400> 510
 Met Leu Leu Cys Pro Asn Leu Arg Asn Pro Leu Ile Trp Gly Leu Ile
 1 5 10 15
 Leu Leu Thr His Ala Ile Ser Val Ser Val Ala Ser Phe Tyr Tyr Ile
 20 25 30
 Ile Leu Val Lys Ser Lys Leu Tyr His Val
 35 40

<210> 511
 <211> 41
 <212> PRT
 <213> Homo sapiens

<400> 511
 Met Pro Phe Pro Trp Ser Phe Arg Leu Leu Met Leu Leu Ser Thr Ala
 1 5 10 15
 Gln Ser Pro Gln Pro Gln Lys Arg Phe Pro Leu His Ser Thr Pro Leu
 20 25 30
 Gln Ser Asn Phe Pro Leu Ser Lys Cys
 35 40

<210> 512
 <211> 62
 <212> PRT
 <213> Homo sapiens

<400> 512
 Glu Ala Phe Cys Phe Leu Arg Ser Tyr Phe Cys Tyr Ser Cys Asn Ala
 1 5 10 15
 Pro Pro Tyr Met Pro His Leu Cys Glu Ser Thr Gly Ile Arg Phe Gly
 20 25 30
 His His Thr Cys Leu Lys Leu Gly Ser Val Cys Ser Val Phe Cys Val
 35 40 45
 Glu Trp Arg Lys Lys Arg Leu Pro Cys Cys Leu Pro Cys Ser
 50 55 60

<210> 513
 <211> 25
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (24)

<223> Xaa equals any of the naturally occurring amino acids

<400> 513

Met Ser Pro Ser Leu Leu Leu Thr Cys Ile Ile Gly Arg Leu Ile Ile
1 5 10 15

Pro Pro Ser Leu Lys Ser Pro Xaa Ser
20 25

<210> 514

<211> 46

<212> PRT

<213> Homo sapiens

<400> 514

Met Ala Leu Leu Trp Gln Ile Asn Trp Thr Ile Ala Glu Ala Phe Leu
1 5 10 15

Arg Gly Asp Ile Thr Asp Ser Thr Ala Leu Trp Ser Trp Ala Ala Thr
20 25 30

Ser Arg Thr Ser Leu Trp Ser Thr Val Thr Ser Pro Ala Leu
35 40 45

<210> 515

<211> 11

<212> PRT

<213> Homo sapiens

<400> 515

Met Arg Trp Asn Leu Leu Leu Val Lys Leu Leu
1 5 10

<210> 516

<211> 24

<212> PRT

<213> Homo sapiens

<400> 516

Met Leu Phe Phe Pro Leu Val Leu Leu Pro Cys Val Phe Leu Ser Tyr
1 5 10 15

Ser Lys Arg Arg Arg Ala Gln Gly
20

<210> 517

<211> 235

<212> PRT

<213> Homo sapiens

<220>
 <221> SITE
 <222> (204)
 <223> Xaa equals any of the naturally occurring amino acids

 <400> 517
 Met Gly Leu Pro Gly Leu Phe Cys Leu Ala Val Leu Ala Ala Ser Ser
 1 5 10 15
 Phe Ser Lys Ala Arg Glu Glu Glu Ile Thr Pro Val Val Ser Ile Ala
 20 25 30
 Tyr Lys Val Leu Glu Val Phe Pro Lys Gly Arg Trp Val Leu Ile Thr
 35 40 45
 Cys Cys Ala Pro Gln Pro Pro Pro Pro Ile Thr Tyr Ser Leu Cys Gly
 50 55 60
 Thr Lys Asn Ile Lys Val Ala Lys Lys Val Val Lys Thr His Glu Pro
 65 70 75 80
 Ala Ser Phe Asn Leu Asn Val Thr Leu Lys Ser Ser Pro Asp Leu Leu
 85 90 95
 Thr Tyr Phe Cys Arg Ala Ser Ser Thr Ser Gly Ala His Val Asp Ser
 100 105 110
 Ala Arg Leu Gln Met His Trp Glu Leu Trp Ser Arg Gln Arg Gly Arg
 115 120 125
 Pro Gln Gly Gly Asp Asp Leu Pro Gly Val Leu Gly Gln Pro Thr Tyr
 130 135 140
 His Gln Gln Pro Asp Arg Glu Gly Trp Ala Gly Pro Pro Ala Ala Glu
 145 150 155 160
 Thr Met Pro Gln Ala Ala Cys Gln Leu Leu Leu Pro Ala Glu Pro Asp
 165 170 175
 Ile Gly Leu Val Leu Val Pro Gly Cys Lys Gln Arg Gln Cys Pro Ala
 180 185 190
 Gln Arg Pro His Ser Gly Ala Pro Arg Arg Val Xaa Gln Gly Thr His
 195 200 205
 His Arg Ala Gly Trp Gln Pro Cys Leu His Cys Gly His His Leu Gln
 210 215 220
 Asp Ala Gly Leu Asp Pro Arg Gly Pro Arg Trp
 225 230 235

<210> 518
 <211> 9
 <212> PRT

<213> Homo sapiens

<400> 518

Met Ala Ser Gly Ser Lys Ile Ser Ser
1 5

<210> 519

<211> 11

<212> PRT

<213> Homo sapiens

<400> 519

Met His Phe His Ala Asp Tyr Met His Gly Cys
1 5 10

<210> 520

<211> 69

<212> PRT

<213> Homo sapiens

<400> 520

Met Val Pro Thr Pro Gly Trp Val Gly Phe Phe Val Phe Trp Val
1 5 10 15

Phe Leu Gly Gly Gly Leu Phe His Val Thr Ser Ile Ser Val Phe Ile
20 25 30

Ser Tyr Leu Phe His Phe Gln Val Tyr His Gly Lys Cys Thr Asp Phe
35 40 45

Phe Val Asn Asn Val Leu Gly Phe Ala Lys Lys Glu Lys Lys Lys Thr
50 55 60

Leu Leu Ser Leu Pro
65

<210> 521

<211> 36

<212> PRT

<213> Homo sapiens

<400> 521

Met Phe Leu Leu Thr Ile Gly Lys Ile Glu Lys AlaLeu Cys Phe Leu
1 5 10 15

Phe Phe Cys Cys Cys Cys His Cys Cys Phe Phe Gln Lys Thr Ser Val
20 25 30

Ser Val Leu Ser
35

<210> 522
 <211> 41
 <212> PRT
 <213> Homo sapiens

<400> 522
 Asp Phe Leu Phe Phe Phe Pro Pro Cys Gly Ser His Cys Phe Leu Ser
 1 5 10 15
 Cys Leu Tyr Leu Ser Leu Cys Leu Ser Ser Ser Phe Pro Gln Met Ser
 20 25 30
 Gln Leu Ser Leu Pro Asn Phe Pro Ile
 35 40

<210> 523
 <211> 29
 <212> PRT
 <213> Homo sapiens

<400> 523
 Met Arg Gln Gln Gln Thr His Leu Ala Ala Gly Val Leu Phe Cys Cys
 1 5 10 15
 Arg Leu Thr Phe Ser Ser Ser Val Ser Gly Lys Ser Gly
 20 25

<210> 524
 <211> 42
 <212> PRT
 <213> Homo sapiens

<400> 524
 Met Met Asn Val Ser Leu Glu Ile Tyr Phe Val Val Phe Leu Ser Leu
 1 5 10 15
 Phe Cys Val Val Leu Pro Leu His Ala Leu Phe Leu Lys Ser Phe Phe
 20 25 30
 Phe Leu Asp Phe Ala Cys Phe Gln Ile Leu
 35 40

<210> 525
 <211> 20
 <212> PRT
 <213> Homo sapiens

<400> 525
 Met Thr Thr Phe Leu Leu Leu Leu Leu Val Ser Ile Phe Ser Ser

1	5	10	15
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Val Asn Cys Gly
20

<210> 526
 <211> 17
 <212> PRT
 <213> Homo sapiens

<400> 526
 Met Arg Ile Ala Ser Phe Cys Trp Glu Asp Arg Ile Phe His Ser Lys
 1 5 10 15

Phe

<210> 527
 <211> 10
 <212> PRT
 <213> Homo sapiens

<400> 527
 Met Val Val Val Thr Leu Met Leu Phe Leu
 1 5 10

<210> 528
 <211> 51
 <212> PRT
 <213> Homo sapiens

<400> 528
 Leu Glu Ala Pro Ser Met Lys Thr Asp Thr Arg Thr Ile Phe Val Ala
 1 5 10 15

Ile Phe Ser Cys Ile Ser Ile Leu Leu Leu Phe Leu Ser Val Phe Ile
 20 25 30

Ile Tyr Arg Cys Ser Gln His Gly Glu Leu Arg Glu Arg Lys Gly Arg
 35 40 45

Glu Gly Glu
 50

<210> 529
 <211> 15
 <212> PRT
 <213> Homo sapiens

<400> 529

Leu Pro Cys Leu Ala Gly Cys Arg Val Lys Phe Met Ile Met Lys
1 5 10 15

<210> 530

<211> 32

<212> PRT

<213> Homo sapiens

<400> 530

Met Glu Lys Gly Ala Ala Lys Lys Asn Phe Trp Val Gln Gly Thr Val
1 5 10 15

Tyr Leu Leu Leu Leu Phe Met Pro Val Ala Gly Qs Pro Thr Thr Leu
20 25 30

<210> 531

<211> 22

<212> PRT

<213> Homo sapiens

<400> 531

Met Val Pro Ser Leu Asn Leu Tyr Leu Leu Val Ser Trp Asp Thr Leu
1 5 10 15

Leu Glu Asn Phe Leu Met
20

<210> 532

<211> 66

<212> PRT

<213> Homo sapiens

<400> 532

Phe Tyr Leu Leu Val Leu Val Phe Leu Asn Ser Ile Phe Ala Glu Leu
1 5 10 15

Ser Leu Phe Leu Pro Cys Leu Ser Pro Val Cys Leu Ser Phe Val Val
20 25 30

Asp Ile Val Leu Ser Ser Pro Lys Tyr Leu Ser Leu Glu Thr Tyr Ser
35 40 45

Lys Arg Ile Leu Phe Ser Met Ser Val Phe Leu Leu Cys Cys Pro Pro
50 55 60

Cys Leu
65

<210> 533
 <211> 2
 <212> PRT
 <213> Homo sapiens

<400> 533
 Asp Ile
 1

<210> 534
 <211> 15
 <212> PRT
 <213> Homo sapiens

<400> 534
 Met Phe Glu Asp Asn Lys Trp Trp Cys Ile Leu Phe Leu Ile Arg
 1 5 10 15

<210> 535
 <211> 40
 <212> PRT
 <213> Homo sapiens

<400> 535
 Met Arg Cys Ala Arg His Trp Lys Trp Leu Leu Leu Cys Phe Trp Gly
 1 5 10 15
 Gln Leu Ile Cys Arg Arg Leu Trp Arg Arg Ser Gly Arg Gly Lys Cys
 20 25 30
 Phe Leu Cys Cys Leu His Arg Glu
 35 40

<210> 536
 <211> 27
 <212> PRT
 <213> Homo sapiens

<400> 536
 Met Asn Val Ile Ile Val Leu Val His Ala Leu Cys Pro Trp Cys Arg
 1 5 10 15
 Gly Cys Pro His Trp Gly Pro Leu Val Pro Pro
 20 25

<210> 537

<211> 31
 <212> PRT
 <213> Homo sapiens

<400> 537
 Met Ala Ser Val Phe Leu Leu Leu Tyr Leu Glu Leu Phe Cys Gln Pro
 1 5 10 15
 Phe Pro Ser Thr Leu Gly Ala Cys Lys Ser Arg Gly Ala Leu Phe
 20 25 30

<210> 538
 <211> 51
 <212> PRT
 <213> Homo sapiens

<400> 538
 Met Ala Phe Gln Ser Leu Leu Glu Met Lys Phe Phe Leu Cys Ala Ala
 1 5 10 15
 Phe Pro Leu Gly Ala Gly Val Lys Met Phe His Tyr Leu Gly Pro Gly
 20 25 30
 Lys Pro Leu Pro Gln Ala Ser Pro Ser Pro His Pro His Arg Asn Arg
 35 40 45
 Ile Trp Pro
 50

<210> 539
 <211> 82
 <212> PRT
 <213> Homo sapiens

<400> 539
 Met Val Lys Thr Val Ile Trp Gly His His Gln Met Met Trp Thr Phe
 1 5 10 15
 Leu Gln Val Phe Trp His Thr Gln Ala Ser Cys His Trp Cys Ile Phe
 20 25 30
 Gln Leu Thr Ser Gly Asp Asp Arg Asn Ser Leu Gln Gly Leu Ser Ile
 35 40 45
 Trp Asp Gly Tyr Ile Lys Arg Glu Thr Asn Trp Ser Lys Ser Pro Glu
 50 55 60
 Arg Lys Ser His Ser Thr Asp Leu Ala Ser Val Leu Lys Asn Ser Asn
 65 70 75 80
 Tyr Ile

<210> 540
 <211> 43
 <212> PRT
 <213> Homo sapiens

<400> 540
 Met Glu Ile Tyr Val Ser Leu Gly Ile Val Gly Leu Ala Ile Leu Ala
 1 5 10 15
 Leu Leu Ala Val Thr Ser Ile Pro Ser Val Ser AspSer Leu Thr Trp
 20 25 30
 Arg Glu Phe His Tyr Ile Gln Val Asn Asn Ile
 35 40

<210> 541
 <211> 42
 <212> PRT
 <213> Homo sapiens

<400> 541
 Met Leu Leu Val Ser Cys Cys Leu Ala Gly His Ile Cys Val Trp Asp
 1 5 10 15
 Ala Gln Thr Gly Asp Cys Leu Thr Arg Ile Pro Arg Pro Gly Arg Gln
 20 25 30
 Arg Arg Gly Gln Trp Arg Gly Gln Arg Ala
 35 40

<210> 542
 <211> 55
 <212> PRT
 <213> Homo sapiens

<400> 542
 Met Ser Met Ser Cys Pro Trp Leu Gly Thr Trp Ala Val Val Cys Ala
 1 5 10 15
 Ser Pro Arg Gln Arg Asn Asp Ser Gln Gly Thr Asp Ala Arg Gly Gly
 20 25 30
 Asn Arg Ala Asp Gln Arg Leu Pro Gly His Lys Arg Asn Leu Glu Glu
 35 40 45
 Arg Thr Pro Ala Glu Gln Thr
 50 55

<210> 543

<211> 14
 <212> PRT
 <213> Homo sapiens

<400> 543
 Met Ala His Trp His Val Phe Tyr Val Phe Ser Cys His Ser
 1 5 10

<210> 544
 <211> 25
 <212> PRT
 <213> Homo sapiens

<400> 544
 Met Cys Arg Tyr Leu Pro Leu Met Leu Phe Met Thr Met Cys Arg Phe
 1 5 10 15
 Leu Leu Gly Leu Phe Ala Val Gly Trp
 20 25

<210> 545
 <211> 45
 <212> PRT
 <213> Homo sapiens

<400> 545
 Met Met Val Thr Arg Leu Pro Cys Trp Ala Gly Val Leu Pro Pro Val
 1 5 10 15
 Pro Leu Leu Leu Ala Cys Met Thr Ser Thr Ala Arg Pro Trp Ala Gln
 20 25 30
 Ala Pro Cys Pro Phe Ser Thr Ala Pro Leu Ser Arg Gln
 35 40 45

<210> 546
 <211> 30
 <212> PRT
 <213> Homo sapiens

<400> 546
 Met Ala Val Gly Ser Cys Ser Pro Ile Leu Ser LeuLeu Gly Pro Gly
 1 5 10 15
 Ile Leu Ala Pro Leu Ser Ala Leu Pro Leu Ile Ser Val Pro
 20 25 30

<210> 547
 <211> 5

<212> PRT
<213> Homo sapiens

<400> 547
Asn Asn Arg Tyr Val
1 5

<210> 548
<211> 65
<212> PRT
<213> Homo sapiens

<400> 548
Met Leu His Thr Met Arg Asn Val Arg Gly Cys Val Cys Val Cys Val
1 5 10 15
Cys Val Cys Val Cys Val Ser Glu Gly His Leu Leu Asn Gly Thr Pro
20 25 30
Lys Asn Thr Ile Val Phe Val Phe Ala Val Val Arg Gly Leu Asn Lys
35 40 45
Cys Lys Leu Ala Gln Glu Met Leu Asp Leu Arg Gly Leu Glu Arg Pro
50 55 60

Asp
65

<210> 549
<211> 26
<212> PRT
<213> Homo sapiens

<400> 549
Met Phe Phe Leu Leu Leu Leu Met Leu Leu Pro His Cys Leu Asn Tyr
1 5 10 15
Tyr Ile Leu Leu Thr Asn Leu Thr Phe Trp
20 25

<210> 550
<211> 6
<212> PRT
<213> Homo sapiens

<400> 550
Met Leu Leu Pro Leu Leu
1 5

<210> 551
 <211> 19
 <212> PRT
 <213> Homo sapiens

<400> 551
 Met Leu Pro Pro Leu Leu Glu Trp Ala Val Phe Val Pro Leu Ser Gln
 1 5 10 15
 Leu Leu Leu

<210> 552
 <211> 39
 <212> PRT
 <213> Homo sapiens

<400> 552
 Met Phe Phe Leu Ile Lys Val Pro Leu Asn Trp Pro Leu Tyr Gln Pro
 1 5 10 15
 Leu Val Leu Ala Lys Cys Pro Lys His Ala Leu Gly Pro Arg His Val
 20 25 30
 Thr Ile His Arg Leu Ser Val
 35

<210> 553
 <211> 48
 <212> PRT
 <213> Homo sapiens

<400> 553
 Ile Asn Ser Trp Lys Arg Pro Val Asn Ala Ser Cys Phe Cys Ile Cys
 1 5 10 15
 Val Leu Arg Trp Ala Leu Trp Phe Leu Cys Thr Gln Ser Thr Phe Leu
 20 25 30
 Val Ile Thr Ile Val Ile Phe Ile Val Met Thr Ala Pro Glu Leu Trp
 35 40 45

<210> 554
 <211> 26
 <212> PRT
 <213> Homo sapiens

<400> 554

Gly Gln Leu Arg Trp Ser Ser Leu Val Ser Gln Phe Ala Cys Leu Phe
 1 5 10 15

Ile Leu Phe Ser Ala Lys Cys Ile Pro Phe
 20 25

<210> 555
 <211> 36
 <212> PRT
 <213> Homo sapiens

<400> 555
 Met Val Leu Ala Leu Ala Val Phe Thr Leu Leu Ala Ser Val Cys Cys
 1 5 10 15

Gln Leu His Ser His Ser Phe Tyr Pro Cys Met Ser Cys Phe Tyr Ser
 20 25 30

Ser Leu Ser Phe
 35

<210> 556
 <211> 64
 <212> PRT
 <213> Homo sapiens

<400> 556
 Met Trp Leu Leu Trp Gln Pro Tyr Leu Ala Gly Phe Leu Leu Gln Val
 1 5 10 15

Leu Glu Gly Arg Val Ala Gln Ser Gln Ala Glu Ala Asp Ser Gly Val
 20 25 30

Leu Gly Ala Gly Gly Thr Thr Pro Ala Gly Gly Arg Arg Gly Leu Cys
 35 40 45

Gln Gln Ser Glu Gln Pro Arg Gly Pro Ile Pro His Ile Leu Gln Val
 50 55 60

<210> 557
 <211> 1
 <212> PRT
 <213> Homo sapiens

<400> 557
 Phe
 1

<210> 558
 <211> 41
 <212> PRT
 <213> Homo sapiens

<400> 558
 Met Leu Ser Gly Ser Ser Arg Gly Ser Gln Gly Ser Leu Asn Leu His
 1 5 10 15
 Val Cys Leu Trp Leu Pro Pro Gln Pro Pro Leu His Pro Ser Tyr Ser
 20 25 30
 Phe Ser Phe Phe Leu Gln Phe Trp Glu
 35 40

<210> 559
 <211> 223
 <212> PRT
 <213> Homo sapiens

<400> 559
 Met Trp Gly Leu Val Ser Ala Leu Ala Ala Thr Leu Cys ~~Re~~ Ser Leu
 1 5 10 15
 Gln Asn Ile Phe Ser Lys Lys Val Leu Arg Asp Ser Arg Ile His His
 20 25 30
 Leu Arg Leu Leu Asn Ile Leu Gly Cys His Ala Val Phe Phe ~~Met~~ Ile
 35 40 45
 Pro Thr Trp Val Leu Val Asp Leu Ser Ala Phe Leu Val Ser Ser Asp
 50 55 60
 Leu Thr Tyr Val Tyr Gln Trp Pro Trp Thr Leu Leu Leu Leu Ala Val
 65 70 75 80
 Ser Gly Phe Cys Asn Phe Ala Gln Asn Val Ile Ala Phe Ser Ile Leu
 85 90 95
 Asn Leu Val Ser Pro Leu Ser Tyr Ser Val Ala Asn Ala Thr Lys Arg
 100 105 110
 Ile Met Val Ile Thr Val Ser Leu Ile Met Leu Arg Asn Pro Val Thr
 115 120 125
 Ser Thr Asn Val Leu Gly Met Met Thr Ala Ile Leu Gly Val Phe Leu
 130 135 140
 Tyr Asn Lys Thr Lys Tyr Asp Ala Asn Gln Gln Ala Arg Lys His Leu
 145 150 155 160
 Leu Pro Val Thr Thr Ala Asp Leu Ser Ser Lys Glu Arg His Arg Ser
 165 170 175

Pro Leu Glu Lys Pro His Asn Gly Leu Leu Phe Pro Gln His Gly Asp
180 185 190

Tyr Gln Tyr Gly Arg Asn Asn Ile Leu Thr Asp His Phe Gln Tyr Ser
195 200 205

Arg Gln Ser Tyr Pro Asn Ser Tyr Ser Leu Asn Arg Tyr Asp Val
210 215 220

<210> 560
<211> 47
<212> PRT
<213> Homo sapiens

<400> 560
Met Thr Leu Thr Ala Trp Thr Gly Ala Cys Trp Pro SerPhe Thr Trp
1 5 10 15

Leu Met Pro Arg Thr Ser Trp Arg Met Leu Leu Leu Leu Phe Trp Thr
20 25 30

Ser Ser Met Ile Trp Leu Pro Arg Glu Cys Gly Ser Phe SerThr
35 40 45

<210> 561
<211> 24
<212> PRT
<213> Homo sapiens

<400> 561
Met Gly Glu Leu Leu Trp Leu Val Ile Leu Cys Ala His Ile Ile Val
1 5 10 15

Ala Thr His His Cys Trp Glu Asn
20

<210> 562
<211> 8
<212> PRT
<213> Homo sapiens

<400> 562
Met Phe Gln Arg Leu Leu Lys Tyr
1 5

<210> 563
<211> 27
<212> PRT

<213> Homo sapiens

<400> 563

Gly Val Ser Val Ile Ile Ser Leu Leu Ile Ser Ser Ser Glu Asp Cys
1 5 10 15

Tyr Gln Ser Leu Gly Leu Glu Val Gln Ile Ile
20 25

<210> 564

<211> 55

<212> PRT

<213> Homo sapiens

<400> 564

Met Ser Ala Cys Leu Pro Gly Ser Leu Phe Leu Leu Phe Pro Pro Ala
1 5 10 15

Gly Arg Tyr Gln Arg Arg Gly His Pro Ser Arg Pro Gly Met Gly Arg
20 25 30

Lys Glu Val Thr Ala Lys Ala Val Glu Trp Gly Trp His Gln Pro Leu
35 40 45

Val Cys Phe Pro Cys Gly Ser
50 55

<210> 565

<211> 24

<212> PRT

<213> Homo sapiens

<400> 565

Met Ser Ile Trp Leu Met His Phe Cys Leu Leu Val Leu Gly Lys Arg
1 5 10 15

Met Ser Ile Leu Asp Val Lys Leu
20

<210> 566

<211> 32

<212> PRT

<213> Homo sapiens

<400> 566

Ala Pro Arg Phe Pro Ser Leu Leu Val Leu Leu Pro Gly Ile Leu Phe
1 5 10 15

Pro Gly Leu Ser Gly His Cys Phe Val Ser Gly Phe Phe Thr Leu Leu
20 25 30

<210> 567
 <211> 6
 <212> PRT
 <213> Homo sapiens

<400> 567
 Met Tyr Phe Trp Cys Cys
 1 5

<210> 568
 <211> 36
 <212> PRT
 <213> Homo sapiens

<400> 568
 Met Phe Cys His Cys Ile Val Cys Leu Leu Leu Val Leu Trp Ser Ser
 1 5 10 15
 Leu Pro Phe Phe Ile Pro Ser Phe Leu Leu Leu Lys Val Ile Leu Ser
 20 25 30
 Cys Gly Met Ile
 35

<210> 569
 <211> 9
 <212> PRT
 <213> Homo sapiens

<400> 569
 Leu Lys Ile Leu Phe Leu Ile Glu Val
 1 5

<210> 570
 <211> 27
 <212> PRT
 <213> Homo sapiens

<400> 570
 Met Thr Ser Ser Val Ala Cys Pro Gly Ala Arg Val Cys Leu Ala Gly
 1 5 10 15
 Ser Trp Pro Ala Ala Ser Ser Ser Pro Cys Trp
 20 25

<210> 571
<211> 34
<212> PRT
<213> Homo sapiens

<400> 571
Phe Gly Tyr Phe Trp Tyr Arg Trp Pro Leu Gly Trp Ile Phe Leu His
1 5 10 15
Ser Val Pro Gln Leu Gln Glu Gly Val Pro Leu Val Cys Glu Tyr Val
20 25 30

Cys Leu

<210> 572
<211> 18
<212> PRT
<213> Homo sapiens

<400> 572
Leu Ala Thr Leu Leu Leu Arg Leu Leu Leu Ser Leu Gly Thr Gly Cys
1 5 10 15

Gln Arg

<210> 573
<211> 43
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring amino acids

<220>
<221> SITE
<222> (33)
<223> Xaa equals any of the naturally occurring amino acids

<400> 573
Asp Gln Phe Ser Thr Ala Val Arg His Arg Val Pro Ala Gly His Trp
1 5 10 15
Gln Val Ala Gly Ser Thr Pro Thr Pro Cys Pro Xaa Asn Pro Asp Leu
20 25 30

Xaa Pro Gly Lys Glu Arg Glu Gly Pro Val Ser
35 40

<210> 574
 <211> 117
 <212> PRT
 <213> Homo sapiens

<400> 574
 Cys Val Glu Thr Pro Arg Pro Gly Phe Cys Gln Lys Ala Pro Trp Tyr
 1 5 10 15
 Gln Pro Gly Lys Ser Ala Thr Lys Pro Thr Thr Thr Arg Glu Glu Thr
 20 25 30
 Ile Pro Ser Lys Phe Thr Ser Pro Asn Thr Asn Leu Pro Lys Leu Asn
 35 40 45
 Arg Leu Gln Pro Leu Cys Pro Asp Pro Thr Leu Thr Ala Phe Pro Phe
 50 55 60
 Thr Gln Ile Trp Ala Phe Trp Gln Lys Val Leu Arg Leu Trp Gly Lys
 65 70 75 80
 Arg Arg Ala Val Met Ala Leu Arg Trp Val Ser Tyr Ser Pro Glu Glu
 85 90 95
 Ile Gly Leu Phe Tyr Ala Leu Pro Tyr Ile Arg Asn Tyr Ile Gln Asp
 100 105 110
 Ala Ile Leu Arg His
 115

<210> 575
 <211> 281
 <212> PRT
 <213> Homo sapiens

<400> 575
 Met Ala Glu Ala Leu Leu Leu Arg Ala Thr Phe Tyr Leu Leu Ile Gly
 1 5 10 15
 Asn Ala Asn Ala Ala Lys Pro Asp Leu Asp Lys Val Ile Ser Leu Lys
 20 25 30
 Glu Ala Asn Val Lys Leu Arg Ala Asn Ala Leu Ile Lys Arg Gly Ser
 35 40 45
 Met Tyr Met Gln Gln Gln Gln Pro Leu Leu Ser Thr Gln Asp Phe Asn
 50 55 60
 Met Ala Ala Asp Ile Asp Pro Gln Asn Ala Asp Val Tyr His His Arg
 65 70 75 80
 Gly Gln Leu Lys Ile Leu Leu Asp Gln Val Glu Glu Ala Val Ala Asp
 85 90 95

Phe Asp Glu Cys Ile Arg Leu Arg Pro Glu Ser Ala Leu Ala Gln Ala
100 105 110
Gln Lys Cys Phe Ala Leu Tyr Arg Gln Ala Tyr Thr Gly Asn Asn Ser
115 120 125
Ser Gln Ile Gln Ala Ala Met Lys Gly Phe Glu Glu Val Ile Lys Lys
130 135 140
Phe Pro Arg Cys Ala Glu Gly Tyr Ala Leu Tyr Ala Gln Ala Leu Thr
145 150 155 160
Asp Gln Gln Gln Phe Gly Lys Ala Asp Glu Met Tyr Asp Lys Cys Ile
165 170 175
Asp Leu Glu Pro Asp Asn Ala Thr Thr Tyr Val His Lys Gly Leu Leu
180 185 190
Gln Leu Gln Trp Lys Gln Asp Leu Asp Arg Gly Leu Glu Leu Ile Ser
195 200 205
Lys Ala Ile Glu Ile Asp Asn Lys Cys Asp Phe Ala Tyr Glu Thr Met
210 215 220
Gly Thr Ile Glu Val Gln Arg Gly Asn Met Glu Lys Ala Ile Asp Met
225 230 235 240
Phe Asn Lys Ala Ile Asn Leu Ala Lys Ser Glu Met Glu Met Ala His
245 250 255
Leu Tyr Ser Leu Cys Asp Ala Ala His Ala Gln Thr Glu Val Ala Lys
260 265 270
Lys Tyr Gly Leu Lys Pro Pro Thr Leu
275 280

<210> 576
<211> 50
<212> PRT
<213> Homo sapiens

<400> 576
Met His Leu Cys Leu Leu Trp Gln Leu His Tyr Val Val Gly Asp Val
1 5 10 15
Asp Ala Glu Pro His Ile Leu Ser Ser Cys Leu Cys Tyr Ser Pro Leu
20 25 30
Cys Phe Thr Phe Ser Asn Glu Cys Gln Ala Gly Asp He Gln Ile Gln
35 40 45
Lys Phe
50

<210> 577
 <211> 50
 <212> PRT
 <213> Homo sapiens

<400> 577
 Met Val Tyr Ile Tyr Tyr Leu Tyr Phe Leu Thr Phe Tyr Tyr Leu Leu
 1 5 10 15
 Asn Pro Leu His Gln Thr Thr Thr Tyr Gly Thr Ser Gln Gly Ser Ser
 20 25 30
 Leu Gly Ala Leu Phe Phe Lys Tyr Ser Val Leu Met Lys Asn Lys Phe
 35 40 45
 Asn Ile
 50

<210> 578
 <211> 36
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (35)
 <223> Xaa equals any of the naturally occurring amino acids

<400> 578
 Met Phe Asp Ser Thr Pro Val Leu Val Ala Leu Phe Leu His Pro Arg
 1 5 10 15
 Leu Gly Ala Ser Tyr Ser Leu Cys Leu Gln His Ser Ser Ser Pro Cys
 20 25 30
 Leu Pro Xaa Ser
 35

<210> 579
 <211> 11
 <212> PRT
 <213> Homo sapiens

<400> 579
 Met Ser His Ser Leu Ser Val Ala Cys Val Tyr
 1 5 10

<210> 580
 <211> 4

<212> PRT
<213> Homo sapiens

<400> 580
Leu Asp Phe Cys
1

<210> 581
<211> 41
<212> PRT
<213> Homo sapiens

<400> 581
Met Tyr Asn His Leu Ser Leu Asn Cys Thr Leu Pro Leu Phe Ile Cys
1 5 10 15
Ala Leu Phe Leu Val Tyr Ser Val Ile Ile Pro His Leu Lys Asn Lys
20 25 30
Asn His Tyr Cys Tyr Ile Leu Leu Ile
35 40

<210> 582
<211> 46
<212> PRT
<213> Homo sapiens

<400> 582
Met Met Ala Ile Pro Tyr Phe Ile Leu Ala Glu Leu Asn Phe Ile Phe
1 5 10 15
Leu Cys Ile Leu Leu Pro Asp Asp Leu Gly Gly Lys Ser Arg Leu Val
20 25 30
Lys Ala Asn His Gly Ser Ser Ile Leu Met Ile Leu Leu Gly
35 40 45

<210> 583
<211> 348
<212> PRT
<213> Homo sapiens

<400> 583
Met Asn Met Thr Gln Ala Arg Val Leu Val Ala Ala Val Val Gly Leu
1 5 10 15
Val Ala Val Leu Leu Tyr Ala Ser Ile His Lys Ile Glu Glu Gly His
20 25 30
Leu Ala Val Tyr Tyr Arg Gly Gly Ala Leu Leu Thr Ser Pro Ser Gly
35 40 45

Pro Gly Tyr His Ile Met Leu Pro Phe Ile Thr Thr Phe Arg Ser Val
 50 55 60
 Gln Thr Thr Leu Gln Thr Asp Glu Val Lys Asn Val Pro Cys Gly Thr
 65 70 75 80
 Ser Gly Gly Val Met Ile Tyr Ile Asp Arg Ile Glu Val Val Asn Met
 85 90 95
 Leu Ala Pro Tyr Ala Val Phe Asp Ile Val Arg Asn Tyr Thr Ala Asp
 100 105 110
 Tyr Asp Lys Thr Leu Ile Phe Asn Lys Ile His His Glu Leu Asn Gln
 115 120 125
 Phe Cys Ser Ala His Thr Leu Gln Glu Val Tyr Ile Glu Leu Phe Asp
 130 135 140
 Gln Ile Asp Glu Asn Leu Lys Gln Ala Leu Gln Lys Asp Leu Asn Leu
 145 150 155 160
 Met Ala Pro Gly Leu Thr Ile Gln Ala Val Arg Val Thr Lys Pro Lys
 165 170 175
 Ile Pro Glu Ala Ile Arg Arg Asn Phe Glu Leu Met Glu Ala Glu Lys
 180 185 190
 Thr Lys Leu Leu Ile Ala Ala Gln Lys Gln Lys Val Val Glu Lys Glu
 195 200 205
 Ala Glu Thr Glu Arg Lys Lys Ala Val Ile Glu Ala Glu Lys Ile Ala
 210 215 220
 Gln Val Ala Lys Ile Arg Phe Gln Gln Lys Val Met Glu Lys Glu Thr
 225 230 235 240
 Glu Lys Arg Ile Ser Glu Ile Glu Asp Ala Ala Phe Leu Ala Arg Glu
 245 250 255
 Lys Ala Lys Ala Asp Ala Glu Tyr Tyr Ala Ala His Lys Tyr Ala Thr
 260 265 270
 Ser Asn Lys His Lys Leu Thr Pro Glu Tyr Leu Glu Leu Lys Lys Tyr
 275 280 285
 Gln Ala Ile Ala Ser Asn Ser Lys Ile Tyr Phe Gly Ser Asn Ile Pro
 290 295 300
 Asn Met Phe Val Asp Ser Ser Cys Ala Leu Lys Tyr Ser Asp Ile Arg
 305 310 315 320
 Thr Gly Arg Glu Ser Ser Leu Pro Ser Lys Glu Ala Leu Glu Pro Ser
 325 330 335
 Gly Glu Asn Val Ile Gln Asn Lys Glu Ser Thr Gly
 340 345

<210> 584
 <211> 66
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (40)
 <223> Xaa equals any of the naturally occurring amino acids

<400> 584
 Met Cys Leu Leu Ser Leu Ala Tyr Phe Ile Leu Val Leu Gly Tyr Gly
 1 5 10 15
 Ala Ser Tyr Gly Lys Gly Lys Gly Pro Phe Arg Lys Thr Ser Phe Gly
 20 25 30
 Glu Ile Lys Met Trp Thr Val Xaa Lys Lys Lys Lys Lys Lys Lys Lys
 35 40 45
 Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys
 50 55 60
 Lys Lys
 65

<210> 585
 <211> 14
 <212> PRT
 <213> Homo sapiens

<400> 585
 Met Leu Ser Gln Pro Pro His Ser Lys Arg GlyTyr Arg Leu
 1 5 10

<210> 586
 <211> 34
 <212> PRT
 <213> Homo sapiens

<400> 586
 Met Phe Leu Ser Phe Leu Asn Ile Leu Ile Ile Leu Leu Gln Gly Ile
 1 5 10 15
 Trp Glu Pro Tyr Leu Val Phe Ala Cys Asn Val Ile Arg Tyr Asn Tyr
 20 25 30
 Thr Met

<210> 587
 <211> 127
 <212> PRT
 <213> Homo sapiens

<400> 587
 Met Val Phe Cys Leu Ala Phe Gly Ala Thr Leu Leu Leu Ala Gly Lys
 1 5 10 15
 Ile Gln Phe Gly Tyr Val Tyr Gly Ile Ser Ala Ile Gly Cys Leu Gly
 20 25 30
 Met Phe Cys Leu Leu Asn Leu Met Ser Met Thr Gly Val Ser Phe Gly
 35 40 45
 Cys Val Ala Ser Val Leu Gly Tyr Cys Leu Leu Pro Met Ile Leu Leu
 50 55 60
 Ser Ser Phe Ala Val Ile Phe Ser Leu Gln Gly Met Val Gly Ile Ile
 65 70 75 80
 Leu Thr Ala Gly Ile Ile Gly Trp Cys Ser Phe Ser Ala Ser Lys Ile
 85 90 95
 Phe Ile Ser Ala Leu Ala Met Glu Gly Gln Gln Leu Leu Val Ala Tyr
 100 105 110
 Pro Cys Ala Leu Leu Tyr Gly Val Phe Ala Leu Ile Ser Val Phe
 115 120 125

<210> 588
 <211> 2
 <212> PRT
 <213> Homo sapiens

<400> 588
 Pro Cys
 1

<210> 589
 <211> 72
 <212> PRT
 <213> Homo sapiens

<400> 589
 Met Ser Leu Met Gly Leu Gln Val Leu Pro Arg Ala Cys Thr Leu Leu
 1 5 10 15
 Leu Trp Gly Ser Ala Pro Ala Gly Glu Glu Leu Gln Met Pro Arg Ser
 20 25 30

Gln Gln Thr Gln Gly Pro Leu Glu Lys Asn Ser Phe Phe Ile Ser Ile
 35 40 45
 Ser Arg Glu Asp Pro Lys Val Lys Val Ser Leu Phe Thr Val Ile Ser
 50 55 60
 Gly Arg Ser Ser Leu Arg Pro Ser
 65 70

<210> 590
 <211> 17
 <212> PRT
 <213> Homo sapiens

<400> 590
 Met Cys Thr Ser Val Leu Leu Ala Ile Phe Leu Leu Cys Phe Ser Val
 1 5 10 15

Thr

<210> 591
 <211> 21
 <212> PRT
 <213> Homo sapiens

<400> 591
 Met Arg Ala Gly Cys Arg Leu Cys Ser Leu Trp Leu Trp Thr His Asn
 1 5 10 15

Ser Trp Ala Arg Gly
 20

<210> 592
 <211> 10
 <212> PRT
 <213> Homo sapiens

<400> 592
 Met Leu Ala Leu Ser Thr His Phe Leu Pro
 1 5 10

<210> 593
 <211> 49
 <212> PRT
 <213> Homo sapiens

<400> 593
 Met Trp Ala Gly Ala Ser Arg Gly Arg Thr Gly Ala Arg Leu Ala Val

1 5 10 15
 Pro Leu His Ala Trp Cys Thr Leu Trp Pro Leu Ala Leu Gly Gln Ala
 20 25 30
 Ile Leu Leu Gln Ile Pro Val Leu Pro Gln Gly His His Gln Ala Pro
 35 40 45
 Pro

<210> 594
 <211> 12
 <212> PRT
 <213> Homo sapiens

<400> 594
 Met Val Cys Leu Leu Val His Ser Phe Leu Ser Phe
 1 5 10

<210> 595
 <211> 182
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (1)
 <223> Xaa equals any of the naturally occurring amino acids

<220>
 <221> SITE
 <222> (5)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (11)
 <223> Xaa equals any of the naturally occurring amino acids

<400> 595
 Xaa Leu Leu Pro Xaa Thr Pro Leu Gly Ile Xaa Tyr Asp Gly Leu Met
 1 5 10 15

Ser Phe Ala Gly Gly Lys Leu Leu Ile Val Gly Glu Asn Ala Thr Ala
 20 25 30

His Ile Phe Ala Thr Tyr Pro Ala Pro Tyr Leu Ser Leu Ala Asn Ala
 35 40 45

Phe Ala Asp Gln Val Val Ala Thr Met Ile Leu Leu Ile Ile Val Phe
 50 55 60

Ala Ile Phe Asp Ser Arg Asn Leu Gly Ala Pro Arg Gly Leu Glu Pro
 65 70 75 80
 Ile Ala Ile Gly Leu Leu Ile Ile Val Ile Ala Ser Ser Leu Gly Leu
 85 90 95
 Asn Ser Gly Cys Ala Met Asn Pro Ala Arg Asp Leu Ser Pro Arg Leu
 100 105 110
 Phe Thr Ala Leu Ala Gly Trp Gly Phe Glu Val Phe Arg Ala Gly Asn
 115 120 125
 Asn Phe Trp Trp Ile Pro Val Val Gly Pro Leu Val Gly Ala Val Ile
 130 135 140
 Gly Gly Leu Ile Tyr Val Leu Val Ile Glu Ile His His Pro Glu Pro
 145 150 155 160
 Asp Ser Val Phe Lys Ala Glu Gln Ser Glu Asp Lys Pro Glu Lys Tyr
 165 170 175
 Glu Leu Ser Val Ile Met
 180

<210> 596
 <211> 32
 <212> PRT
 <213> Homo sapiens

<400> 596
 Met Phe His Val Cys Cys Ala Phe Leu Asn Phe Met Leu His Ser Lys
 1 5 10 15
 Thr Val Val Leu Phe Leu Trp Cys Leu Asp SerCys Gly Val Cys Phe
 20 25 30

<210> 597
 <211> 50
 <212> PRT
 <213> Homo sapiens

<400> 597
 Met Tyr Pro Leu Asp Val Asp Asn Asn Val Pro Phe Leu Ser Leu Phe
 1 5 10 15
 Leu Leu Leu Leu Leu Lys Leu Ile Val Leu Pro Asn Leu Leu Leu Cys
 20 25 30
 Phe Phe Pro Asn Thr Val Ile Tyr Leu Ile Cys Arg Gln Glu Pro Cys
 35 40 45

Leu Cys
50

<210> 598
<211> 43
<212> PRT
<213> Homo sapiens

<400> 598
Met Lys Ala Ile Ser Val Ser Leu Leu Arg Leu Thr Lys Leu Leu Trp
1 5 10 15
Phe Phe Ser Ile Val Leu Tyr Val Pro Leu Leu Ala Val Leu Leu Phe
20 25 30
Asn Thr Val Leu Tyr Phe Phe Ser Lys Cys Thr
35 40

<210> 599
<211> 43
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring amino acids

<400> 599
Met Cys Asn Gln Val Phe Leu Leu Leu Ile Leu Ile Leu Xaa Asp Asp
1 5 10 15
His Phe Tyr Thr Leu Trp Gln Ser Leu Ile Ala Ser Val Ser Cys Leu
20 25 30
Glu Asn Glu Phe Ile Ile Tyr Leu Leu Gly Asn
35 40

<210> 600
<211> 14
<212> PRT
<213> Homo sapiens

<400> 600
Met Arg Lys Leu Ala Phe Gly Leu Arg Ile Ser Tyr Cys Ser
1 5 10

<210> 601

<211> 73
 <212> PRT
 <213> Homo sapiens

<400> 601
 Met Leu Tyr Phe Leu Val Gln Leu Leu Thr Val Leu Ser Leu Leu Ser
 1 5 10 15
 Gly Met Ser Phe Leu Ile Arg Arg Gln Glu Glu Asn Lys Asn Gln Thr
 20 25 30
 Val Ser His Asn Gln Lys Pro Pro Leu Trp Gln Arg Gly Leu His Arg
 35 40 45
 His Gln Gly Val Pro Pro Asp Arg Glu Arg Leu Gln Pro Ser Glu Ala
 50 55 60
 Ile Leu Arg Ser Ser Cys Leu Gly Val
 65 70

<210> 602
 <211> 42
 <212> PRT
 <213> Homo sapiens

<400> 602
 Met Ser Lys Phe Val Ser Leu Pro Val Phe Leu Ala Cys Ile Ser Pro
 1 5 10 15
 Trp Phe Asn Ser Tyr Gln Ile Phe Gly Arg Gly Gly Thr Glu Val Ser
 20 25 30
 Ser His Ser Arg Ala Leu Gly Cys Pro Tyr
 35 40

<210> 603
 <211> 48
 <212> PRT
 <213> Homo sapiens

<400> 603
 Met Cys Pro Pro His Leu Met Leu Ile Cys Leu Met Val Met Pro Arg
 1 5 10 15
 Val Gln Asp Leu Val Thr Cys Ala Val Val Asn Thr Gln Arg Leu Gly
 20 25 30
 Arg Ser Val Ser Leu Val Leu Pro Ser Phe Lys Val His Gly Lys Ile
 35 40 45

<210> 604
<211> 26
<212> PRT
<213> Homo sapiens

<400> 604
Met Val Phe Phe Ser Ala Ile Leu Phe Leu Tyr Ile Leu Tyr Leu Phe
1 5 10 15
Ala Asp Tyr Ser Ser Ile Phe Asp Phe Pro
20 25

<210> 605
<211> 8
<212> PRT
<213> Homo sapiens

<400> 605
Met Ala Lys Phe Thr Val Leu Trp
1 5

<210> 606
<211> 34
<212> PRT
<213> Homo sapiens

<400> 606
Met Val His Leu Leu Leu Val Phe Trp Ser Gly Pro His Asn Leu Gly
1 5 10 15
Arg Phe Gln Pro Met Lys Leu Phe Ala Ile Cys Leu Asn Gln Ser Met
20 25 30
Leu Leu

<210> 607
<211> 33
<212> PRT
<213> Homo sapiens

<400> 607
Met Leu His Gly Val Val Ile Val Arg Leu Trp Leu Leu Leu Gly Arg
1 5 10 15
Asn Ser Leu Lys Arg Asn Ser Leu Val Trp Arg Gly Ser Arg Ser Pro
20 25 30
Lys

<210> 608
 <211> 93
 <212> PRT
 <213> Homo sapiens

<400> 608
 Met Trp Ile Arg Val Gly Phe Leu Val Phe Lys Thr Pro Gly Leu Arg
 1 5 10 15
 Thr Pro Ala Ala Gly Glu Arg Ile Tyr Asn Ile Ser Gly Asn Gly Ser
 20 25 30
 Pro Leu Ala Asp Ser Lys Glu Ile Phe Leu Thr Val Pro Val Gly Gly
 35 40 45
 Gly Glu Ser Leu Arg Leu Leu Ala Ser Asp Leu Gln Arg His Ser Ile
 50 55 60
 Ala Gln Leu Asp Pro Glu Ala Leu Gly Asn Ile Lys Lys Leu Ser Asn
 65 70 75 80
 Arg Leu Ala Gln Ile Cys Ser Ser Ile Arg Thr His Lys
 85 90

<210> 609
 <211> 31
 <212> PRT
 <213> Homo sapiens

<400> 609
 Met Tyr Asn Leu Ser Ser Leu Phe Met Ile Ser Phe Leu Val Cys His
 1 5 10 15
 Val Thr Pro Ser Gln Thr Leu Lys Gly Pro Pro Leu Ser Trp Ser
 20 25 30

<210> 610
 <211> 65
 <212> PRT
 <213> Homo sapiens

<400> 610
 Gly Ser Phe Pro Ser Pro Lys His Arg Gln Arg GlyGly Glu Gln Phe
 1 5 10 15
 Leu Val Leu Phe Leu Phe Leu Lys Trp Cys Leu Tyr Leu Gln Pro Pro
 20 25 30
 Gly Gly Leu Pro Trp Pro His Phe Ser Ala Pro Pro ArgHis Arg His

35 40 45
 Pro Ser Thr Leu Leu His Val Thr Arg Lys Met Pro Phe Ala Glu Cys
 50 55 60

Thr
 65

<210> 611
 <211> 6
 <212> PRT
 <213> Homo sapiens

<400> 611
 Met Phe Leu Arg Glu Gln
 1 5

<210> 612
 <211> 30
 <212> PRT
 <213> Homo sapiens

<400> 612
 Met Lys Thr Trp Leu Pro Lys Arg Ser Leu Leu Leu Cys Thr Pro Thr
 1 5 10 15

Thr Cys Arg Pro Ala Ala Ser Pro Thr Leu Thr Cys Arg Ser
 20 25 30

<210> 613
 <211> 10
 <212> PRT
 <213> Homo sapiens

<400> 613
 Met Leu Leu Tyr Leu Thr Val Gly Tyr Trp
 1 5 10

<210> 614
 <211> 27
 <212> PRT
 <213> Homo sapiens

<400> 614
 Met Thr Val Pro Thr Leu Ala Met Lys Lys Asn Gln Asp Ala Ala Ser
 1 5 10 15

Trp Ser Leu Thr Cys Val Ser Cys Leu His Tyr
 20 25

<210> 615
 <211> 35
 <212> PRT
 <213> Homo sapiens

<400> 615
 Met Lys Phe Lys Ser Gln Cys Leu Glu Ile Lys Phe Tyr Ser His Thr
 1 5 10 15
 Ala Cys Ser Phe Val Tyr Leu Leu Cys Met Ala Thr Phe Thr Leu Gln
 20 25 30
 Trp Gln Ser
 35

<210> 616
 <211> 381
 <212> PRT
 <213> Homo sapiens

<400> 616
 Met Ser Arg His Glu Gly Val Ser Cys Asp Ala Cys LeuLys Gly Asn
 1 5 10 15
 Phe Arg Gly Arg Arg Tyr Lys Cys Leu Ile Cys Tyr Asp Tyr Asp Leu
 20 25 30
 Cys Ala Ser Cys Tyr Glu Ser Gly Ala Thr Thr Thr Arg HisThr Thr
 35 40 45
 Asp His Pro Met Gln Cys Ile Leu Thr Arg Val Asp Phe Asp Leu Tyr
 50 55 60
 Tyr Gly Gly Glu Ala Phe Ser Val Glu Gln Pro Gln Ser Phe Thr Cys
 65 70 75 80
 Pro Tyr Cys Gly Lys Met Gly Tyr Thr Glu Thr Ser Leu Gln Glu His
 85 90 95
 Val Thr Ser Glu His Ala Glu Thr Ser Thr Glu Val Ile Cys Pro Ile
 100 105 110
 Cys Ala Ala Leu Pro Gly Gly Asp Pro Asn His Val Thr Asp Asp Phe
 115 120 125
 Ala Ala His Leu Thr Leu Glu His Arg Ala Pro Arg Asp Leu Asp Glu
 130 135 140
 Ser Ser Gly Val Arg His Val Arg Arg Met Phe His Pro Gly Arg Gly
 145 150 155 160
 Leu Gly Gly Pro Arg Ala Arg Arg Ser Asn Met His Phe Thr Ser Ser

165										170					175				
Ser	Thr	Gly	Gly	Leu	Ser	Ser	Ser	Gln	Ser	Ser	Tyr	Ser	Pro	Ser	Asn				
			180					185					190						
Arg	Glu	Ala	Met	Asp	Pro	Ile	Ala	Glu	Leu	Leu	Ser	Gln	Leu	Ser	Gly				
		195					200					205							
Val	Arg	Arg	Ser	Ala	Gly	Gly	Gln	Leu	Asn	Ser	Ser	Gly	Pro	Ser	Ala				
	210					215					220								
Ser	Gln	Leu	Gln	Gln	Leu	Gln	Met	Gln	Leu	Gln	Leu	Glu	Arg	Gln	His				
225					230					235				240					
Ala	Gln	Ala	Ala	Arg	Gln	Gln	Leu	Glu	Thr	Ala	Arg	Asn	Ala	Thr	Arg				
				245					250					255					
Arg	Thr	Asn	Thr	Ser	Ser	Val	Thr	Thr	Thr	Ile	Thr	Gln	Ser	Thr	Ala				
			260					265					270						
Thr	Thr	Asn	Ile	Ala	Asn	Thr	Glu	Ser	Ser	Gln	Gln	Thr	Leu	Gln	Asn				
		275					280					285							
Ser	Gln	Phe	Leu	Leu	Thr	Arg	Leu	Asn	Asp	Pro	Lys	Met	Ser	Glu	Thr				
	290					295					300								
Glu	Arg	Gln	Ser	Met	Glu	Ser	Glu	Arg	Ala	Asp	Arg	Ser	Leu	Phe	Val				
305					310					315					320				
Gln	Glu	Leu	Leu	Leu	Ser	Thr	Leu	Val	Arg	Glu	Glu	Ser	Ser	Ser	Ser				
				325					330					335					
Asp	Glu	Asp	Asp	Arg	Gly	Glu	Met	Ala	Asp	Phe	Gly	Ala	Met	Gly	Cys				
			340					345					350						
Val	Asp	Ile	Met	Pro	Leu	Asp	Val	Ala	Leu	Glu	Asn	Leu	Asn	Leu	Lys				
		355					360					365							
Glu	Ser	Asn	Lys	Gly	Asn	Glu	Pro	Pro	Pro	Pro	Pro	Leu							
	370					375						380							

<210> 617

<211> 113

<212> PRT

<213> Homo sapiens

<400> 617

Met	Ser	Pro	Ser	Pro	Arg	Trp	Gly	Phe	Leu	Cys	Val	Leu	Phe	Thr	Ala
1				5					10					15	

Val	His	Pro	Ala	Pro	Ser	Thr	Ala	Pro	Val	Gln	Asp	Lys	Cys	Pro	Val
			20				25						30		

Asn	Thr	Trp	Glu	Ala	Met	Gln	Ala	Ser	Ser	Gln	Gln	Leu	Leu	Gln	Thr
		35					40					45			

Asp Pro Arg Pro Lys Pro Phe Leu Leu Pro Pro Leu Pro Pro Leu Leu
 50 55 60
 Leu Ile Ser Ala Gly Thr Glu Val Ser Ser Leu Val Phe Gln Lys Ser
 65 70 75 80
 Pro Leu His Thr Gln Pro Glu Gly Ala Ile Lys Thr Ala Gly Gln Pro
 85 90 95
 Thr Ser Val His Ser Lys Val Leu Ser Lys Gly Ser Leu Leu Leu Gly
 100 105 110
 Glu

<210> 618
 <211> 35
 <212> PRT
 <213> Homo sapiens

<400> 618
 His Lys Lys Ser Phe Gln Gly Arg Ala Leu Gly Asp Pro Leu Phe Lys
 1 5 10 15
 Gly Ile Trp Ala Gly Phe Ile Val Val Ser Ser Glu Glu Ser Gly Lys
 20 25 30
 Gly Arg Pro
 35

<210> 619
 <211> 48
 <212> PRT
 <213> Homo sapiens

<400> 619
 Met Ile Gly Lys Lys Lys Gly Thr Leu Glu Glu Ile Val Leu Met Ile
 1 5 10 15
 Val Val Leu Val Ser Thr Gln Cys Leu Ile Met Thr Met Glu Val Val
 20 25 30
 Leu Lys Asn Leu Val Ile Met Thr Glu Trp Ile Met Lys Met Thr Asp
 35 40 45

<210> 620
 <211> 30

<212> PRT

<213> Homo sapiens

<400> 620

Met Ala Met Gly Ala Ala Ser Ser Gly Trp Ser Ala Pro Ala Ser Ser
1 5 10 15

Ser Trp Ser Thr Leu Trp Trp Ser Ser Phe Pro Arg Pro Arg
20 25 30

<210> 621

<211> 25

<212> PRT

<213> Homo sapiens

<400> 621

Met Leu Ile Ser Val Met Leu His Ser Leu Trp Leu Val Ile His Leu
1 5 10 15

Gly Pro Gln His Thr Val Ile Leu Phe
20 25

<210> 622

<211> 38

<212> PRT

<213> Homo sapiens

<400> 622

Met Phe Leu Cys Cys Gln Ile Gly Pro Leu Gly Pro Phe Arg Phe Cys
1 5 10 15

Phe Leu Gly Ala Gly Phe Leu Pro Trp Thr Pro Ser Leu Gly Thr Val
20 25 30

Asp Ile Lys Cys Leu Ala
35

<210> 623

<211> 23

<212> PRT

<213> Homo sapiens

<400> 623

Met Gly Trp Ser Ser His Trp Ser Asn Phe Leu Ser Val Arg Leu Trp
1 5 10 15

Phe Ser Thr Leu Ala Ile Cys
20

<210> 624
 <211> 34
 <212> PRT
 <213> Homo sapiens

<400> 624
 Met Phe Tyr Trp Gly Gly Leu Ser Phe Tyr Phe Leu Leu Ser Ser Gly
 1 5 10 15
 Val Gly Phe Tyr Cys Phe Leu Phe Gly Phe Gly Met Glu Ile Trp Ile
 20 25 30
 Ala Ala

<210> 625
 <211> 58
 <212> PRT
 <213> Homo sapiens
 <220>
 <221> SITE
 <222> (54)
 <223> Xaa equals any of the naturally occurring amino acids

<400> 625
 Met Tyr Met Pro Ala Pro Pro Leu Ser Leu Ala Pro Aa Val Gly Glu
 1 5 10 15
 Thr Phe Pro Val Cys Arg Glu Arg Met Trp Ser Trp Gln Ala Trp Leu
 20 25 30
 Leu Pro Asp Ser Val Ser Ser Gly Asn Thr Gln Pro Ser Phe Lys Lys
 35 40 45
 Lys Lys Thr Arg Ser Xaa Pro Ser Asp Arg
 50 55

<210> 626
 <211> 33
 <212> PRT
 <213> Homo sapiens

<400> 626
 Met Cys Val Cys Met His Val Cys Val Cys Cys Val Trp Trp Glu Ala
 1 5 10 15
 Ala Trp Gly Cys Gln Lys Arg Ala Glu Gly Gly Ile Arg Pro Ser Trp
 20 25 30
 Thr

<210> 627
 <211> 32
 <212> PRT
 <213> Homo sapiens

<400> 627
 Met Leu Ile Ile Thr Pro Lys Leu Lys Lys Val Gly Ser Gln Pro Gln
 1 5 10 15
 Met Glu Asp Trp Ala Pro Leu Leu Pro Ser Ser Ala Ser Leu Leu Pro
 20 25 30

<210> 628
 <211> 30
 <212> PRT
 <213> Homo sapiens

<400> 628
 Met Glu Asn Cys Leu Tyr Val Val Ala Leu Met Val Leu Met Pro Ser
 1 5 10 15
 Val Val Trp Lys Cys Met Ile Gh Leu Glu Met Asn Gly Arg
 20 25 30

<210> 629
 <211> 114
 <212> PRT
 <213> Homo sapiens

<400> 629
 Asp Arg Glu Arg Asn Met Ala Thr Cys Ala Gln Leu Leu Arg Leu Val
 1 5 10 15
 Leu Glu Ala Glu His Ile Ala Pro Ala Ala Trp His Trp Pro Trp Asp
 20 25 30
 Met Gly Gly Arg Gly Arg Arg Val Pro Ala Tyr Val Gly Arg Trp Ala
 35 40 45
 Gly Ala Gln Thr Gln Gln Ala Pro Trp Gly His Ser Ser Pro Leu His
 50 55 60
 Pro Phe Ile Leu Lys His Leu Gln Arg Ala Ser Ser Ala Arg Leu Ser
 65 70 75 80
 Gly Ala Lys Gly Thr Glu Met Arg Thr Asp Ser Pro Leu Gly Glu Thr
 85 90 95

Val Phe Ala Trp Ser Cys Pro Gln Cys Lys Ala Gln Glu Trp Cys Arg
100 105 10

Gly Ala

<210> 630
<211> 46
<212> PRT
<213> Homo sapiens

<400> 630
Glu Val Ile Gly Leu Leu Leu Leu Leu Leu Leu Cys Asn Asn Asn
1 5 10 15

Arg Gln Lys Gln Arg Arg Gly Glu Ser Ala Asp Ala Trp Pro Leu Pro
20 25 30

Trp Gly Phe Pro Ser Ala Glu Glu Ser Val Ala Ala Gln Leu
35 40 45

<210> 631
<211> 59
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring amino acids

<400> 631
Cys Pro Ser Val Ser Ala Cys Cys Leu Gly Leu Pro Ile Trp Ile Val
1 5 10 15

Gly Lys Ser Lys Arg Ala Trp Cys Leu Pro Thr Pro Pro Asp Ser Ser
20 25 30

Arg Xaa Lys Pro Arg Pro His Glu Ala Cys Pro Thr Arg Ser Pro Met
35 40 45

Ala Gln Thr Ala Pro Pro Pro Ser His Lys Val
50 55

<210> 632
<211> 243
<212> PRT
<213> Homo sapiens

<220>
<221> SITE

<222> (146)

<223> Xaa equals any of the naturally occurring amino acids

<400> 632

Met	Leu	Val	Ile	Gln	Ile	Thr	Ser	Val	Asp	Phe	His	Gly	Ile	Pro	Leu
1				5					10					15	
Ser	Val	Pro	Gln	Ser	Leu	Thr	Arg	Arg	Gln	Cys	Thr	Cys	Arg	Gly	Trp
			20					25					30		
Lys	Glu	Asp	Glu	Pro	Met	Ser	Arg	Leu	Cys	Ile	Asn	Gln	Gly	Glu	Arg
		35					40					45			
Lys	Ser	Arg	Trp	Lys	Glu	Val	Gly	Arg	Trp	Arg	Lys	Gln	Gln	Leu	Leu
	50					55					60				
Leu	Ala	Leu	Asp	Asp	Gly	Pro	Glu	Gly	Leu	Ser	Leu	Leu	Val	Thr	Pro
65					70					75					80
Leu	Trp	Val	Leu	Phe	Pro	Tyr	Leu	Ser	Val	Thr	Arg	Phe	Leu	Ile	Leu
				85					90					95	
Ile	Pro	Cys	Cys	Glu	Phe	Gly	Ser	Leu	Cys	Trp	Ala	Ile	Gln	Ser	Ser
		100						105					110		
Ser	Glu	Arg	Ala	Lys	Leu	Val	Leu	Glu	Leu	Arg	Cys	Arg	Trp	Gly	Lys
		115					120					125			
Arg	Gly	Thr	Gln	Leu	Asp	Thr	Lys	Lys	Gly	Ser	Leu	Pro	Ser	Leu	Ser
	130					135					140				
Pro	Xaa	Thr	Val	Arg	Gly	Ile	Leu	Ser	Arg	Gln	Pro	Pro	Asn	Ser	Pro
145					150					155					160
Ser	His	Leu	Pro	Ser	Phe	Val	Glu	Thr	Ala	Phe	Asp	Ser	Pro	Ser	Leu
				165					170					175	
Ser	Leu	Pro	Phe	Arg	Val	Ser	Cys	Leu	Val	Ser	Gly	Leu	Arg	Glu	Phe
			180					185					190		
Leu	Ser	Leu	Leu	Pro	Arg	Thr	Leu	Lys	Glu	Leu	Leu	Leu	Lys	Thr	Gly
		195					200					205			
Glu	Tyr	Gln	Ala	Tyr	Leu	Tyr	Met	Cys	Asn	Ser	Ala	Arg	Ile	Gln	Arg
	210					215					220				
Lys	Ser	Ser	Phe	Gln	Pro	Leu	Pro	Leu	Gly	Arg	Trp	Phe	Arg	Val	Pro
225					230					235					240

His Arg Asp

<210> 633

<211> 17

<212> PRT

<213> Homo sapiens

<400> 633

Leu Leu Leu Leu Leu Phe Met Leu Ser Leu Gly Lys Pro Leu Gly Arg
1 5 10 15

Thr

<210> 634

<211> 44

<212> PRT

<213> Homo sapiens

<400> 634

Pro Ala Arg Leu Leu Pro Pro Gly Pro Ala Val Ala Leu Leu Leu Leu
1 5 10 15

Arg Gly Ser Cys Ser Leu Cys Cys Cys His Gln Pro His Lys Ala Ser
20 25 30

Cys Lys Ala Met Pro Ser Ala Gly Ser Asn Val Pro
35 40

<210> 635

<211> 32

<212> PRT

<213> Homo sapiens

<400> 635

Met Ala Pro Ala Pro Cys Ser Ala Ser Pro Arg Pro Ala Gly Gly Arg
1 5 10 15

Asp Gly Gly Gly Ala Pro Glu Leu Ser Phe Leu Leu Ser Val Leu Val
20 25 30

<210> 636

<211> 8

<212> PRT

<213> Homo sapiens

<400> 636

His Arg Ala Val Ile Leu Ala Leu
1 5

<210> 637

<211> 73
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (52)
 <223> Xaa equals any of the naturally occurring amino acids

<400> 637
 Met Ala Leu Ser Asn Ser Val Ala Pro Lys Pro Ser Pro Pro Trp Pro
 1 5 10 15
 Leu Leu Gly Cys Phe Leu His Ser Pro Ser His Phe Leu Val Cys Cys
 20 25 30
 Ile Leu His Thr Phe Ile Met Phe Thr Val Ala Leu Leu Cys Ser Asp
 35 40 45
 Gly His Pro Xaa Arg Pro Gly Val Leu Pro Gly Pro Leu Leu Tyr Leu
 50 55 60
 Glu Cys Arg Ile Leu Gly Ser Ser Asp
 65 70

<210> 638
 <211> 45
 <212> PRT
 <213> Homo sapiens

<400> 638
 Met Ala Ala Ala Lys Ala Leu Ile Ser Leu Trp Leu Val Ser Ala Cys
 1 5 10 15
 Gly Gln Trp Glu Thr Ser Phe Pro Ile Tyr Gly Gly Asp Met Glu Cys
 20 25 30
 Gln Ala Val Val Phe Trp Trp Leu Glu Glu Glu Arg Lys
 35 40 45

<210> 639
 <211> 74
 <212> PRT
 <213> Homo sapiens

<400> 639
 Met Leu Leu Pro Gln Ile Leu Ala Trp Leu Thr Pro Leu Cys Ser Gly
 1 5 10 15
 Phe Cys Gln Ala Val Thr Phe Ser Met Arg Pro Thr Trp Ala Thr Ile
 20 25 30
 Phe Asn Thr Ala Val Tyr Thr Ala Ser Pro Pro Thr Thr Gln His Ser

35 40 45
 Gln Ala Leu Thr Leu Leu Pro Leu Phe Phe Pro Phe Arg Gln Pro Ser
 50 55 60
 Ser Asn Thr Trp Asp His Ile Leu Ile Tyr
 65 70

<210> 640
 <211> 34
 <212> PRT
 <213> Homo sapiens

<400> 640
 Met Gln Cys Pro Tyr Leu Leu Gly Ala Gln Leu Leu Val Ser Ser Ile
 1 5 10 15
 Cys Pro Val Val Pro Ala Leu Pro Arg Pro Val Asn Lys Cys Leu Val
 20 25 30
 Pro Asp

<210> 641
 <211> 25
 <212> PRT
 <213> Homo sapiens

<400> 641
 Met Ser Met Leu Phe Leu Phe Cys Val His Val Ser Leu Leu Ile Phe
 1 5 10 15
 Leu Ile Cys Ser Pro Met Leu Tyr Leu
 20 25

<210> 642
 <211> 39
 <212> PRT
 <213> Homo sapiens

<400> 642
 Met Ser Glu Ala Gly Trp Trp Ala Trp Leu Phe Val Ile Leu His Pro
 1 5 10 15
 Phe Gly Met Pro Asp Thr Phe His Asn Asn Phe Lys Lys Asp Lys Thr
 20 25 30
 Thr Ala Glu Lys Cys Ile Glu
 35

<210> 643
 <211> 21
 <212> PRT
 <213> Homo sapiens

<400> 643
 Met Leu Ala Ala Leu Ala Cys Ser Trp Arg Leu Leu Ser Leu Gly Ala
 1 5 10 15
 His Ser Gly Arg Ala
 20

<210> 644
 <211> 64
 <212> PRT
 <213> Homo sapiens

<400> 644
 Met Ser Ser Phe Gly Lys Cys Leu Phe Ile Leu Val Leu Gly Leu Phe
 1 5 10 15
 Phe Asn Trp Val Phe Val Phe Phe Phe Ala Ile Asp Phe Leu Lys Phe
 20 25 30
 Leu Asp Ser Asn Leu Leu Ser Asp Met Trp Phe Thr Asn Ile Phe Ser
 35 40 45
 Tyr Ser Val Asp Cys Leu Phe Ile Leu Ser Ile Ile Ser Phe Ala Leu
 50 55 60

<210> 645
 <211> 59
 <212> PRT
 <213> Homo sapiens

<400> 645
 Met Pro Gly Pro His Gln Leu Cys Leu Ile Asn Ala Gly Gln Pro Cys
 1 5 10 15
 Ser Leu Val Thr Ser Val Gly His Trp Leu Leu Gly Val Phe Ser Ile
 20 25 30
 Leu Pro Cys Ser Leu Leu Ala Pro Gly Glu Lys Gly Pro Tyr Arg Ser
 35 40 45
 Leu Phe Gln Val Thr Arg Ser Trp Gly Gly Pro
 50 55

<210> 646
 <211> 10
 <212> PRT
 <213> Homo sapiens

<400> 646
 Met Gly Val Gly Leu Leu Asn Arg Ile Ile
 1 5 10

<210> 647
 <211> 6
 <212> PRT
 <213> Homo sapiens

<400> 647
 Met Pro Phe Tyr Pro Cys
 1 5

<210> 648
 <211> 38
 <212> PRT
 <213> Homo sapiens

<400> 648
 Met Gly Val Leu Pro Gly Leu Phe Pro Phe Pro Pro Ser Leu Ala Thr
 1 5 10 15
 Val Leu Gly Val Trp Gln Leu Phe Gly Phe Phe Phe Phe Leu Gln Leu
 20 25 30
 Cys Val Cys Val Phe Val
 35

<210> 649
 <211> 43
 <212> PRT
 <213> Homo sapiens

<400> 649
 Met Ser Gly Asn Ile Ile Glu Lys Thr Leu Phe Pro Val Phe Trp Val
 1 5 10 15
 Ser Met Asn Phe Trp Gly Ile Leu Thr Tyr Tyr Ile Leu Thr Arg Leu
 20 25 30
 Ile Tyr Ala Lys Tyr Pro Thr Gly Arg Gln Leu
 35 40

<210> 650
<211> 27
<212> PRT
<213> Homo sapiens

<400> 650
Ser Phe Tyr Val Leu Phe Ser Asn Leu Gln Trp Tyr Val Phe Asn Ile
1 5 10 5
Phe Ala Thr Tyr Thr Leu Gly Lys Lys Lys Met
20 25

<210> 651
<211> 33
<212> PRT
<213> Homo sapiens

<400> 651
Met Leu Arg Gln Val Phe Phe Phe Pro Leu Cys Leu Gly Pro Val Arg
1 5 10 15
Gly Leu Leu Arg Thr Val Ser Val Ile Glu Gly Leu Tyr Ser Phe Gln
20 25 30
Leu

<210> 652
<211> 10
<212> PRT
<213> Homo sapiens

<400> 652
Asn Thr Met Ile Ala Ala Gly Ser Cys Asp
1 5 10

<210> 653
<211> 51
<212> PRT
<213> Homo sapiens

<400> 653
Met Cys Trp Tyr Val Ile Ser Arg Pro Leu Trp Leu Asn Arg Leu Cys
1 5 10 15
Met Ser Ser Arg Leu Phe Val Leu Pro Gln Pro Ser Val Leu Ile Thr
20 25 30
Leu Arg Pro Ala Ala Ser Val Gly Phe Leu Pro Val Gly Glu His Ile
35 40 45

Ser Arg Leu
50

<210> 654
<211> 20
<212> PRT
<213> Homo sapiens

<400> 654
Met Leu Phe Val Leu Leu Ile Trp Lys Leu Tyr Met Ile Tyr Ile Lys
1 5 10 15
Thr Phe Cys Phe
20

<210> 655
<211> 39
<212> PRT
<213> Homo sapiens

<400> 655
Leu Phe Trp Ser Val Ser Glu Thr Gly Ile Ala Phe Gly Val Ser Arg
1 5 10 15
Val Leu Gly Met Leu Glu Gly His Leu Gln Glu Ala Trp Gly Arg Arg
20 25 30
Glu Ile Ser Cys Asp Ala Leu
35

<210> 656
<211> 198
<212> PRT
<213> Homo sapiens

<400> 656
Met Phe Phe Ala Pro Thr Val Leu Gly Leu Ala Arg Leu Arg His Trp
1 5 10 15
Val Tyr Leu Leu Cys Phe Ser Ala Gly Asn Tyr Tyr Asn Gln Gly Glu
20 25 30
Thr Arg Lys Lys Glu Leu Leu Gln Ser Cys Asp Val Leu Gly Ile Pro
35 40 45
Leu Ser Ser Val Met Ile Ile Asp Asn Arg Asp Phe Pro Asp Asp Pro
50 55 60
Gly Met Gln Trp Asp Thr Glu His Val Ala Arg Val Leu Leu Gln His
65 70 75 80

Ile Glu Val Asn Gly Ile Asn Leu Val Val Thr Phe Asp Ala Gly Gly
 85 90 95
 Val Ser Gly His Ser Asn His Ile Ala Leu Tyr Ala Ala Val Arg Ala
 100 105 110
 Leu His Ser Glu Gly Lys Leu Pro Lys Gly Cys Ser Val Leu Thr Leu
 115 120 125
 Gln Ser Val Asn Val Leu Arg Lys Tyr Ile Ser Leu Leu Asp Leu Pro
 130 135 140
 Leu Ser Leu Leu His Thr Gln Asp Val Leu Phe Val Leu Asn Ser Lys
 145 150 155 160
 Glu Val Ala Gln Ala Lys Lys Ala Met Ser Cys His Arg Ser Gln Leu
 165 170 175
 Leu Trp Phe Arg Arg Leu Tyr Ile Ile Phe Ser Arg Tyr Met Arg Ile
 180 185 190
 Asn Ser Leu Ser Phe Leu
 195

<210> 657
 <211> 24
 <212> PRT
 <213> Homo sapiens

<400> 657
 Met Ile Leu Ile Ser Val Ile Pro Ser Phe Phe Pro Val Ile Ser Ala
 1 5 10 15
 Val Gln Thr Thr Tyr Glu Gln Cys
 20

<210> 658
 <211> 83
 <212> PRT
 <213> Homo sapiens

<400> 658
 Met Cys Val Phe Val Tyr Glu Leu Met Leu Leu Ser Leu Val Phe Leu
 1 5 10 15
 Pro His Trp Ser Leu Pro Ser Leu Pro Tyr Phe Ser Phe Ala Leu His
 20 25 30
 Ser Asn Thr Val Lys Pro Asp Ile Tyr Phe Leu Cys Gly Ser Asn Ser
 35 40 45
 Leu Ile Phe Pro Val Asp Lys Arg Tyr Val Phe Tyr Ser Phe Ile Ser
 50 55 60

Leu Ile Val Asn Arg Lys Gln Leu Glu Asn Trp Asn Thr Phe Ser Leu
65 70 75 80

Cys Gly Cys

<210> 659
<211> 28
<212> PRT
<213> Homo sapiens

<400> 659
Met Pro Val Trp Lys Cys Leu Leu Trp Cys Thr Pro Leu Leu Arg Cys
1 5 10 15
Thr Gln Leu Leu Leu Gln Leu Gln Ser Arg Cys Cys
20 25

<210> 660
<211> 33
<212> PRT
<213> Homo sapiens

<400> 660
Met Cys Ser Phe His Ile Asn Phe Cys Leu Leu Ser SerThr Phe Ile
1 5 10 15
Leu Leu Thr Gly Leu Cys Phe Ser Val Tyr Ala Ser Asn Ile Trp Val
20 25 30

Cys

<210> 661
<211> 88
<212> PRT
<213> Homo sapiens

<400> 661
Ser Leu Lys Ile Phe Ser Val Ser Gly Val Leu Gln Gly Trp Pro Leu
1 5 10 15
Ala Pro Glu Pro Leu Pro Gln Cys Ser His Gln Pro Pro Pro His Pro
20 25 30
Ser Val Cys Arg Ala Ser Ser Thr Gly Pro His Ala Ala Phe Phe Thr
35 40 45
His Ser Ala Leu Gly Arg Phe Val Ile Trp Leu Ser Leu His Trp Ala
50 55 60

Glu Val Cys Val His Arg Val Gly Val Pro Ser Ser Pro Phe His Ser
65 70 75 80

Glu Gly His Thr Gln Arg Cys Gln
85

<210> 662
<211> 11
<212> PRT
<213> Homo sapiens

<400> 662
Glu Arg Ser Ser Leu Met Ser Cys Ala Phe Phe
1 5 10

<210> 663
<211> 72
<212> PRT
<213> Homo sapiens

<400> 663
Met Glu Thr Pro Gln Leu Gln Val Gln Gly Gln Leu Leu His Leu Leu
1 5 10 15
Leu Cys Leu Tyr His His Lys Val Val Gln Gln Lys Leu Leu Leu Leu
20 25 30
Ile Leu Leu Lys Leu Leu Lys Val Thr Thr Leu Tyr Pro Met Glu Gln
35 40 45
Ile Leu Gly Ser Phe His Gln Leu Glu Arg Ser Phe Ile Gly Ile Ile
50 55 60
Leu Ser His Arg Leu Leu Arg Pro
65 70

<210> 664
<211> 20
<212> PRT
<213> Homo sapiens

<400> 664
Met Ser Gly Val Lys Leu Gln Leu Phe Gly Thr Arg Leu Ser Leu Pro
1 5 10 15
Leu Ser Ser Tyr
20

<210> 665
 <211> 26
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (3)
 <223> Xaa equals any of the naturally occurring amino acids

<400> 665
 Met Ala Xaa Gly Ser Phe Leu Phe Phe Cys Leu Val His Ile Asn Val
 1 5 10 15
 Ala Thr Ser Phe Leu Asp Leu Gly Leu Ser
 20 25

<210> 666
 <211> 30
 <212> PRT
 <213> Homo sapiens

<400> 666
 Met Asn Ser Tyr Met Cys Ala Cys Val Phe Ser Ser Glu Ile His Leu
 1 5 10 15
 Gly Gly Gly Phe Phe Cys Phe Phe Asn Ser Val Pro Asp Leu
 20 25 30

<210> 667
 <211> 36
 <212> PRT
 <213> Homo sapiens

<400> 667
 Met Ala Leu Thr Leu Pro Ser Gln Trp Val Phe Leu Val Phe Ile Leu
 1 5 10 15
 Asp Asp Leu Tyr Ala His Leu Ser Leu Ser Arg Asn Phe Cys Trp Lys
 20 25 30
 His Leu Leu Phe
 35

<210> 668
 <211> 45
 <212> PRT
 <213> Homo sapiens

<400> 668
 Met Cys Cys Trp Ile Arg Phe Ala Ser Ile Leu Leu Arg Ile Phe Thr

1	5	10	15
Pro Met Phe Ile Arg Asp Ile Gly Leu Lys Phe Cys Phe Phe Val Val	20	25	30
Ser Leu Pro Ser Phe Val Ile Arg Met Met Leu Ala Ser	35	40	45

<210> 669
 <211> 19
 <212> PRT
 <213> Homo sapiens

Met Ser Leu Leu Leu Glu Ser Cys Val Glu Pro Leu Ser Phe Leu Leu	1	5	10	15
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Leu Leu Gln

<210> 670
 <211> 17
 <212> PRT
 <213> Homo sapiens

Ser Val Trp Gly Ser Phe Leu Ser Met Leu Met Leu Leu Leu Ser Val	1	5	10	15
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Cys

<210> 671
 <211> 19
 <212> PRT
 <213> Homo sapiens

Gln Arg Pro Trp Ile Leu Thr Thr Asp Leu Ser Val Phe Phe Leu Cys	1	5	10	15
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Leu Phe Pro

<210> 672
 <211> 38
 <212> PRT
 <213> Homo sapiens

<400> 672

Met Pro Cys Gly His Leu Arg Ile Arg Ala Gly Ile Ala Gly Gly Ser
1 5 10 15

Gly Ala Ala Gln Ser Leu Leu Phe Pro Tyr Leu Glu Ser Leu Trp Glu
20 25 30

Cys Asp Phe Asp Arg Ala
35

<210> 673

<211> 47

<212> PRT

<213> Homo sapiens

<400> 673

Met Asn Val Leu Cys Gly Tyr Gly Leu Pro Ile Gly Arg Trp Phe Trp
1 5 D 15

Gly Leu Arg Ile Ile Leu Lys Leu Ser Leu Thr Asp Ser Pro Val Phe
20 25 30

Tyr Lys Leu Thr Thr Asn Leu Ser Lys Asp His Leu Gly Arg His
35 40 45

<210> 674

<211> 35

<212> PRT

<213> Homo sapiens

<400> 674

His Ser Cys Gly Pro Asp Thr Cys Val Cys Pro Ser Pro Val Ser Pro
1 5 10 15

Cys Leu Pro Val Pro Leu Ala Ala Leu Met Val Thr Po Lys Gly Ser
20 25 30

Asn Pro Cys
35

<210> 675

<211> 35

<212> PRT

<213> Homo sapiens

<400> 675

Met Thr Ser Leu Leu Gln Asn Cys Val Ile Phe Val Lys Val Val Gln
1 5 10 15

Tyr Met Thr Phe Asn Phe Phe Phe Phe Phe Phe Phe Phe Phe Phe
20 25 30

Phe Phe Trp
35

<210> 676
<211> 80
<212> PRT
<213> Homo sapiens

<400> 676
Met Gly Arg Met Ala Ile Leu Ala Cys Ser Leu Pro Thr Thr Trp Ser
1 5 10 15
Ser Leu Ser Glu Ala Glu Gly Thr Ser Cys Pro Ser Pro Leu Arg His
20 25 30
Gly Phe Leu Ile Ala Gly Arg Gly Gly Leu Gly Val Asp Ile Gln His
35 40 45
Ser Ser Arg Asn Arg Thr Pro Ser Glu Asp Glu Ala Ser Gly Leu Pro
50 55 60
Pro Ala Trp Gln Thr Gln Pro Val Thr Pro Asn Ala Ala Met Ala Trp
65 70 75 80

<210> 677
<211> 13
<212> PRT
<213> Homo sapiens

<400> 677
Met Lys Leu Phe Cys Val Leu Ile Val Val Val Val Thr
1 5 10

<210> 678
<211> 26
<212> PRT
<213> Homo sapiens

<400> 678
Met Ser Gln Ala Cys Phe Pro Ile Ser Val Lys Leu Phe Glu Thr Leu
1 5 10 15
Leu Cys Leu Cys Phe Val Cys Ala Cys Val
20 25

<210> 679
 <211> 44
 <212> PRT
 <213> Homo sapiens

<400> 679
 Ile Cys Val Ala Asn Tyr Arg Leu Trp Cys Lys Val Cys Leu Ile Phe
 1 5 10 15
 Leu Pro Leu Thr Pro Ala Asn Cys Cys Ile Leu Asp Ser Leu Phe Gln
 20 25 30
 Tyr Cys Ile Lys Thr Leu Val Leu Cys Trp Thr Glu
 35 40

<210> 680
 <211> 253
 <212> PRT
 <213> Homo sapiens

<400> 680
 Met Asn Cys Phe Leu Ser Pro Leu Leu Thr Leu Leu Ala Lys Asn Gly
 1 5 10 15
 Ala Phe Phe Ala Gly Ser Ile Leu Ala Val Leu Ile Ala Leu Thr Ile
 20 25 30
 Tyr Asp Glu Asp Val Leu Ala Val Glu His Val Leu Thr Thr Val Thr
 35 40 45
 Leu Leu Gly Val Thr Val Thr Val Cys Arg Ser Phe Ile Pro Asp Gln
 50 55 60
 His Met Val Phe Cys Pro Glu Gln Leu Leu Arg Val Ile Leu Ala His
 65 70 75 80
 Ile His Tyr Met Pro Asp His Trp Gln Gly Asn Ala His Arg Ser Gln
 85 90 95
 Thr Arg Asp Glu Phe Ala Gln Leu Phe Gln Tyr Lys Ala Val Phe Ile
 100 105 110
 Leu Glu Glu Leu Leu Ser Pro Ile Val Thr Pro Leu Ile Leu Ile Phe
 115 120 125
 Cys Leu Arg Pro Arg Ala Leu Glu Ile Ile Asp Phe Phe Arg Asn Phe
 130 135 140
 Thr Val Glu Val Val Gly Val Gly Asp Thr Cys Ser Phe Ala Gln Met
 145 150 155 160
 Asp Val Arg Gln His Gly His Pro Gln Arg Leu Ser Ala Gly Gln Thr
 165 170 175
 Glu Ala Ser Val Tyr Gln Gln Ala Glu Asp Gly Lys Thr Glu Leu Ser

<210> 683
<211> 31
<212> PRT
<213> Homo sapiens

<400> 683
Met Cys Cys Ser Cys Cys Gly Arg Tyr Pro Trp Val Leu Gly Lys His
1 5 10 15
Met Cys Ser Leu Leu Trp Leu Gln Ile Pro Ala Tyr Leu Lys Ser
20 25 30

<210> 684
<211> 46
<212> PRT
<213> Homo sapiens

<400> 684
Gly Ile Ile Gln Ser Val Leu Phe Cys Ala Trp Phe Val Leu Val Asn
1 5 10 15
Ile Ala Ser Gly Ser Phe Ile Ser Val Gln Gly Trp Arg Thr Pro Ala
20 25 30
Tyr Lys Pro Asn Leu Val Leu Cys Leu Phe Ser Tyr Gly Leu
35 40 45

<210> 685
<211> 9
<212> PRT
<213> Homo sapiens

<400> 685
Ala Gly Ala Gly Leu Pro Pro Gly Ser
1 5

<210> 686
<211> 10
<212> PRT
<213> Homo sapiens

<400> 686
Met Pro Leu His Ser Ser Leu Gly Gly His
1 5 10

<210> 687
<211> 10

<212> PRT
<213> Homo sapiens

<400> 687
Gly Leu Val Ala Ala Val Arg Phe Ile Ser
1 5 10

<210> 688
<211> 26
<212> PRT
<213> Homo sapiens

<400> 688
Ile Phe Leu His Leu Leu Ser Cys Ser Leu Leu Phe Ala Trp Thr Asn
1 5 10 15
Gly Glu Lys Ser Ala Gln Asn Glu Ile Met
20 25

<210> 689
<211> 63
<212> PRT
<213> Homo sapiens

<400> 689
Leu Glu Phe Ser Ser Val Ile Ser Glu Ser Leu Ile Tyr Leu Phe Val
1 5 10 15
Leu Ser Phe Leu Leu Cys Cys Trp Tyr Val Ala Leu Met Glu Arg Leu
20 25 30
His Gln Pro Ser Phe Phe Phe Leu Arg Gln Pro Gly Gln Gln Arg Glu
35 40 45
Thr Ser Ser Gln Lys Lys Lys Lys Lys Lys Lys Lys Asn Ser
50 55 60

<210> 690
<211> 37
<212> PRT
<213> Homo sapiens

<400> 690
Met Leu Cys Gln Arg Ser Val Gly Tyr Lys Tyr Leu Ala Leu Phe Leu
1 5 10 15
Gly Cys Leu Phe Cys Ser Ile Gly Leu Cys Thr Cys Cys TyrThr Ser
20 25 30
Pro Met Leu Phe Trp
35

<210> 691
 <211> 36
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (31)
 <223> Xaa equals any of the naturally occurring amino acids

<220>
 <221> SITE
 <222> (33)
 <223> Xaa equals any of the naturally occurring amino acids

<400> 691
 Met Ser Ser Leu Leu Leu Ile Ile Ile Leu Ala Leu Ser Leu Ala Tyr
 1 5 10 15
 Lys Lys Lys Lys Lys Lys Leu Glu Gly Gly Pro Gly Thr His Xaa Pro
 20 25 30
 Xaa Gly Gly Val
 35

<210> 692
 <211> 57
 <212> PRT
 <213> Homo sapiens

<400> 692
 Trp Val Asp Trp Gln Arg Lys Trp Thr Thr Lys PhePhe Met Leu Arg
 1 5 10 15
 Ser Phe Leu Leu Glu Thr Ser Gln Ile Phe Arg Phe Leu Trp Ile Met
 20 25 30
 Lys Gln Lys Ser Thr Glu Asp Leu Leu Leu Leu Asn LeuSer Trp Gln
 35 40 45
 Arg Met Leu Gln Gln Leu Ser Thr Thr
 50 55

<210> 693
 <211> 10
 <212> PRT
 <213> Homo sapiens

<400> 693
 Trp His Pro Val Cys Ser Trp Cys Leu His

1 5 10

<210> 694
<211> 27
<212> PRT
<213> Homo sapiens

<400> 694
Pro Ala Pro His Leu Pro Arg Leu Thr Leu Pro Cys Gln Val Val Trp
1 5 10 15
Gly Pro Arg Cys Trp Gly Gly Glu Ser Gly Ser
20 25

<210> 695
<211> 70
<212> PRT
<213> Homo sapiens

<400> 695
Met Cys Asp Val Leu Trp Gly Leu Phe Ile Leu Leu Val His Arg Arg
1 5 10 15
Gly Thr Leu Pro Gln Glu Ser Arg His Leu Ser Ser Ser Ser Ser Ser
20 25 30
Ser Ser Ala Thr Glu Glu Pro Pro Tyr Leu Gly Gln Val Ser His Cys
35 40 45
Leu Pro Val Met Phe Thr Thr His Glu Arg Thr Arg Arg Phe Asp Val
50 55 60
Ser Ile Lys Leu Asn Glu
65 70

<210> 696
<211> 41
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (40)
<223> Xaa equals any of the naturally occurring amino acids

<400> 696
Met Leu Leu Gly Leu Leu Val Ile Leu Val Ile Asn Leu Trp Met Arg
1 5 10 15
Gln Val Leu Ile Ser Thr Glu Phe Phe Asn Arg Arg Leu Cys Tyr Arg
20 25 30

Ser Tyr Arg Phe Phe Pro Gly Xaa Ala
 35 40

<210> 697
 <211> 4
 <212> PRT
 <213> Homo sapiens

<400> 697
 Asp Lys Leu Met
 1

<210> 698
 <211> 14
 <212> PRT
 <213> Homo sapiens

<400> 698
 Gly Lys Gly Arg Leu Ser Arg Gly Lys Tyr Tyr Gln Ser Ser
 1 5 10

<210> 699
 <211> 42
 <212> PRT
 <213> Homo sapiens

<400> 699
 Leu Pro Gly Ser Arg Ser Arg Cys Phe Ile PhePro Leu Phe Ser His
 1 5 10 15

Tyr Ile Val Ile Ser Pro Thr Leu Ser Leu Val Leu Phe Phe Ser Trp
 20 25 30

Lys Thr Arg Lys Pro Leu Ser Pro Lys Cys
 35 40

<210> 700
 <211> 66
 <212> PRT
 <213> Homo sapiens

<400> 700
 Asp Leu Leu Leu Leu Phe Cys Gly Asp Val Pro Cys Ser Leu Tyr Val
 1 5 10 15

Ser Ser His Val Cys Leu Cys Trp His Ile Ala Ser Cys Ala Val Phe
 20 25 30

Val Ser Leu Pro Leu Met Pro Ala Ser Gly Met Met Glu Arg Leu Trp
 35 40 45

Ser Arg Leu Arg Ile Met Thr Ala Tyr Lys Thr Asp Ser Thr Leu Thr
 50 55 60

Gly Lys
 65

<210> 701
 <211> 265
 <212> PRT
 <213> Homo sapiens

<400> 701
 Met Ala Thr Leu Leu Arg Pro Val Leu Arg Arg Leu Cys Gly Leu Pro
 1 5 10 15

Gly Leu Gln Arg Pro Ala Ala Glu Met Pro Leu Arg Ala Arg Ser Asp
 20 25 30

Gly Ala Gly Pro Leu Tyr Ser His His Leu Pro Thr Ser Pro Leu Gln
 35 40 45

Lys Ala Leu Leu Ala Ala Gly Ser Ala Ala Met Ala Leu Tyr Asn Pro
 50 55 60

Tyr Arg His Asp Met Val Ala Val Leu Gly Glu Thr Thr Gly His Arg
 65 70 75 80

Thr Leu Lys Val Leu Arg Asp Gln Met Arg Arg Asp Pro Glu Gly Ala
 85 90 95

Gln Ile Leu Gln Glu Arg Pro Arg Ile Ser Thr Ser Thr Leu Asp Leu
 100 105 110

Gly Lys Leu Gln Ser Leu Pro Glu Gly Ser Leu Gly Arg Glu Tyr Leu
 115 120 125

Arg Phe Leu Asp Val Asn Arg Val Ser Pro Asp Thr Arg Ala Pro Thr
 130 135 140

Arg Phe Val Asp Asp Glu Glu Leu Ala Tyr Val Ile Gln Arg Tyr Arg
 145 150 155 160

Glu Val His Asp Met Leu His Thr Leu Leu Gly Met Pro Thr Asn Ile
 165 170 175

Leu Gly Glu Ile Val Val Lys Trp Phe Glu Ala Val Gln Thr Gly Leu
 180 185 190

Pro Met Cys Ile Leu Gly Ala Phe Phe Gly Pro Ile Arg Leu Gly Ala
 195 200 205

Gln Ser Leu Gln Val Leu Val Ser Glu Leu Ile Pro Trp Ala Val Gln

210	215	220
Asn Gly Arg Arg Ala Pro Cys Val Leu Asn Leu Tyr Tyr Glu Arg Arg		
225	230	235 240
Trp Glu Gln Ser Leu Arg Ala Leu Arg Glu Glu Leu Gly Ile Thr Ala		
	245	250 255
Pro Pro Met His Val Gln Gly Leu Ala		
	260	265

<210> 702
 <211> 21
 <212> PRT
 <213> Homo sapiens

<400> 702
 Glu Lys Gln Leu Tyr Leu Glu Ser Tyr Cys Leu Gly Phe Leu Ile Arg
 1 5 10 15
 His Ser Ser Pro Asp
 20

<210> 703
 <211> 28
 <212> PRT
 <213> Homo sapiens

<400> 703
 Met Val Lys Thr Val Phe Ala His Cys Phe Leu Leu Phe His Leu Val
 1 5 10 15
 Thr Asn Asp Gln Asp Asp Leu Ile Phe Phe Pro Ser
 20 25

<210> 704
 <211> 21
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (14)
 <223> Xaa equals any of the naturally occurring amino acids

<400> 704
 Met Ala Gly Arg Val Gly Tyr Leu Arg Tyr Cys Leu Phe Xaa Ile Ser
 1 5 10 15
 Ala Leu Leu Ile Phe
 20

<210> 705
 <211> 62
 <212> PRT
 <213> Homo sapiens

<400> 705
 Met Cys Asn Leu Pro Glu Asn Leu Phe Cys Phe Trp Ser Thr Ser Gly
 1 5 10 15
 Val Ala Ser Gly Pro Arg Ala Phe Ala Thr Val Leu Pro Pro Ala Pro
 20 25 30
 Thr Ser Ser Val Cys Leu Gln Ser Leu Ile Tyr Arg Ser Pro Arg Cys
 35 40 45
 Leu Leu Tyr Ser Leu Cys Ala Trp Pro Phe Cys Tyr Leu Ala
 50 55 60

<210> 706
 <211> 60
 <212> PRT
 <213> Homo sapiens

<400> 706
 Glu Leu Trp Trp Phe Trp Leu Leu Trp Thr Val Leu Ile Leu Phe Ser
 1 5 10 15
 Cys Cys Cys Ala Phe Arg His Arg Arg Ala Lys Leu Arg Leu Gln Gln
 20 25 30
 Gln Gln Arg Gln Arg Arg Asn Gln Leu Val Gly Leu Ser Trp Gly Met
 35 40 45
 Pro Trp Gly Trp Ser Phe Pro Tyr Arg Phe Thr Ala
 50 55 60

<210> 707
 <211> 125
 <212> PRT
 <213> Homo sapiens

<400> 707
 Gly Arg Gly Pro Val Leu Gly Pro Met Val Tyr Ala Ile Cys Tyr Cys
 1 5 10 15
 Pro Leu Pro Arg Leu Ala Asp Leu Glu Ala Leu Lys Val Ala Asp Ser
 20 25 30
 Lys Thr Leu Leu Glu Ser Glu Arg Glu Arg Leu Phe Ala Lys Met Glu
 35 40 45

Asp Thr Asp Phe Val Gly Trp Ala Leu Asp Val Leu Ser Pro Asn Leu
 50 55 60
 Ile Ser Thr Ser Met Leu Gly Arg Val Lys Tyr Asn Leu Asn Ser Leu
 65 70 75 80
 Ser His Asp Thr Ala Thr Gly Leu Ile Gln Tyr Ala Leu Asp Gln Gly
 85 90 95
 Val Asn Val Thr Gln Val Phe Val Asp Thr Val Gly Cys Gln Arg His
 100 105 110
 Thr Arg Arg Gly Cys Ser Lys Val Phe Pro Gly Leu Arg
 115 120 125

<210> 708
 <211> 38
 <212> PRT
 <213> Homo sapiens

<400> 708
 Met Leu Pro Asn Phe Ser Trp Leu Leu Leu Leu Cys His Thr Ala His
 1 5 10 15
 Arg Ser Cys Pro Pro Pro Pro Tyr Thr Pro Arg Pro His Pro Pro Val
 20 25 30
 Arg Gln Phe Lys Ser Cys
 35

<210> 709
 <211> 59
 <212> PRT
 <213> Homo sapiens

<400> 709
 Met Leu Ser Gln Thr Asn Gly Ser His Val Ala Ser Thr Leu Leu Ser
 1 5 10 15
 Phe Ala Val Ala Trp Leu Gly Ile Leu Gly Ser Ser Pro Ser Pro Thr
 20 25 30
 Leu Ser Ala Pro Ser Gln Phe Leu Pro Gly Pro His Thr Leu Leu Gln
 35 40 45
 Leu Pro Thr Leu Leu Gln Ser His Cys Arg Pro
 50 55

<210> 710
 <211> 14

<212> PRT
<213> Homo sapiens

<400> 710
His Ser Ser Ile Ser Arg Ser Ser Leu Ser Cys Pro Tyr Ser
1 5 10

<210> 711
<211> 33
<212> PRT
<213> Homo sapiens

<400> 711
Met Phe Trp Thr Asn Leu Val Gln Tyr Val Phe Cys Leu Ser Phe Phe
1 5 10 15
Ile Leu Leu Leu Ser Gln Gln Val Glu Asn Leu Ala Leu Leu Gly Ser
20 25 30

Met

<210> 712
<211> 4
<212> PRT
<213> Homo sapiens

<400> 712
Phe Val Cys Ile
1

<210> 713
<211> 31
<212> PRT
<213> Homo sapiens

<400> 713
Met Ala Pro Leu Arg Arg Leu Thr Val Trp Arg Val Gly Leu Arg Leu
1 5 10 15
Gly Pro Ala Gly Ala Ala Gly Gly Pro Gly Glu Ala Ser Ser Val
20 25 30

<210> 714
<211> 4
<212> PRT
<213> Homo sapiens

<400> 714

Met Trp Asn Trp
1

<210> 715
<211> 20
<212> PRT
<213> Homo sapiens

<400> 715
Met Gly Ala Thr Ala Arg Pro Gly Pro Thr Arg Gly Arg Trp Asp Ser
1 5 10 15
Cys Leu Arg Gln
20

<210> 716
<211> 56
<212> PRT
<213> Homo sapiens

<400> 716
Met Arg Ser Ile Trp Lys Pro Thr Arg Cys Trp Pro Leu Cys Thr Leu
1 5 10 15
Leu Arg Ser Thr Ser Ser Gln His Trp Gln Lys Pro Val Ser Thr Phe
20 25 30
Trp Arg Gln Val Trp Lys Pro Arg Thr Pro Ala Ser Cys Cys Pro Arg
35 40 45
Ala Gly Cys Leu Arg Ser Pro Ser
50 55

<210> 717
<211> 5
<212> PRT
<213> Homo sapiens

<400> 717
Met Val Lys Asn Leu
1 5

<210> 718
<211> 45
<212> PRT
<213> Homo sapiens

<400> 718
Ala Ala Ala Phe Val Gly Trp Leu Ser Gly Leu Leu Gly Phe Ser Phe

1	5	10	15
Met Val Ala Arg Trp His Tyr Ser Asn Ser Ser Ile Met Phe Val Phe			
20	25	30	
Lys Thr Glu Gly Lys Gly Asp Gly Leu Tyr Gln Ser Leu			
35	40	45	

<210> 719
 <211> 323
 <212> PRT
 <213> Homo sapiens

 <220>
 <221> SITE
 <222> (217)
 <223> Xaa equals any of the naturally occurring amino acids

 <220>
 <221> SITE
 <222> (226)
 <223> Xaa equals any of the naturally occurring amino acids

 <220>
 <221> SITE
 <222> (229)
 <223> Xaa equals any of the naturally occurring amino acids

 <400> 719

Met Glu Leu Ser Lys Ala Phe Ser Gly Gln Arg Thr Leu Leu Ser Ala			
1	5	10	15
Ile Leu Ser Met Leu Ser Leu Ser Phe Ser Thr Thr Ser Leu Leu Ser			
20	25	30	
Asn Tyr Trp Phe Val Gly Thr Gln Lys Val Pro Lys Pro Leu Cys Glu			
35	40	45	
Lys Gly Leu Ala Ala Lys Cys Phe Asp Met Pro Val Ser Leu Asp Gly			
50	55	60	
Asp Thr Asn Thr Ser Thr Gln Glu Val Val Gln Tyr Asn Trp Glu Thr			
65	70	75	80
Gly Asp Asp Arg Phe Ser Phe Arg Ser Phe Arg Ser Gly Met Trp Leu			
85	90	95	
Ser Cys Glu Glu Thr Val Glu Glu Pro Gly Glu Arg Cys Arg Ser Phe			
100	105	110	
Ile Glu Leu Thr Pro Pro Ala Lys Arg Glu Asn Pro Met Val Ile Pro			
115	120	125	
Gly Asn Ala Asp His Leu His Arg Thr Ser Ile His Gln Leu Pro Pro			
130	135	140	

Ala Thr Asn Arg Leu Ala Thr His Trp Glu Pro Cys Leu Trp Ala Gln
 145 150 155 160
 Thr Glu Arg Leu Cys Cys Cys Phe Leu Cys Pro Val Arg Ser Pro Gly
 165 170 175
 Asp Val Ala His Met Met Tyr Ser Gln Val Phe Gln Ala Thr Val Asn
 180 185 190
 Leu Gly Pro Glu Asp Trp Arg Pro His Val Trp Asn Tyr Gly Trp Ala
 195 200 205
 Phe Tyr Met Ala Cys Ser Pro Ser Xaa Ala Ala Trp Arg Arg Leu Ser
 210 215 220
 Pro Xaa Ser Thr Xaa Thr Pro Gly Trp Cys Trp Ser Ser Ser Ala Ser
 225 230 235 240
 Ile Val Lys Ser Phe Lys Glu Asn Pro Asn Cys Leu Pro His His His
 245 250 255
 Gln Cys Phe Pro Arg Arg Leu Ser Ser Ala Ala Pro Thr Val Gly Pro
 260 265 270
 Leu Thr Ser Tyr His Gln Tyr His Asn Gln Pro Ile His Ser Val Ser
 275 280 285
 Glu Gly Val Asp Phe Tyr Ser Glu Leu Arg Asn Lys Gly Phe Gln Arg
 290 295 300
 Gly Ala Ser Gln Glu Leu Lys Glu Ala Val Arg Ser Ser Val Glu Glu
 305 310 315 320
 Glu Gln Cys

<210> 720
 <211> 37
 <212> PRT
 <213> Homo sapiens

<400> 720
 Val Leu Ser Cys Trp Thr Trp Met Thr Trp Cys Gly Trp Leu Cys Pro
 1 5 10 15
 Thr Pro Ser Ala Ser Thr His Thr Ser Arg Asn Cys Thr Ala Ala Leu
 20 25 30
 Cys Arg Lys Asp Trp
 35

<210> 721

<211> 7
<212> PRT
<213> Homo sapiens

<400> 721
Phe Val Lys Leu Arg His Pro
1 5

<210> 722
<211> 34
<212> PRT
<213> Homo sapiens

<400> 722
Met Ala Ala Met Arg His Leu Leu Arg Leu Phe Ser Gly Cys Gly Asp
1 5 10 15
Leu Gly Phe Leu Thr Leu Tyr Ile Phe Phe Leu Tyr Ser Lys Gln Asn
20 25 30

Asn Phe

<210> 723
<211> 38
<212> PRT
<213> Homo sapiens

<400> 723
Met Leu Arg Leu Ala Gly Pro Pro Phe Tyr Trp Pro Val Leu Leu Ala
1 5 10 15
Leu Leu Pro Phe Ala Ser Ser Gly Phe Gln Val Ser Leu Lys Val Gly
20 25 30
Gly Cys Leu Ser Ser Leu
35

<210> 724
<211> 12
<212> PRT
<213> Homo sapiens

<400> 724
Met Thr Ser Val Gln Gln Phe Cys Ile Tyr SerGlu
1 5 10

<210> 725
<211> 16

<212> PRT
<213> Homo sapiens

<400> 725
Met Arg Gly Lys His Val Cys Leu Leu Leu Leu Leu Gly Arg Phe
1 5 10 15

<210> 726
<211> 20
<212> PRT
<213> Homo sapiens

<400> 726
Met Pro Gln Ala Ser Thr His Ile Lys Ala Pro Pro Pro Pro Ser Pro
1 5 10 15

Glu Pro Gly Asn
20

<210> 727
<211> 129
<212> PRT
<213> Homo sapiens

<400> 727
Met Phe His Leu Gln Pro Leu Met Phe Leu Gly Leu Phe Pro Leu Phe
1 5 10 15

Ala Val Phe Glu Gly Leu His Leu Ser Thr Ser Glu Lys Ile Phe Arg
20 25 30

Phe Gln Asp Thr Gly Leu Leu Leu Arg Val Leu Gly Ser Leu Phe Leu
35 40 45

Gly Gly Ile Leu Ala Phe Gly Leu Gly Phe Ser Glu Phe Leu Leu Val
50 55 60

Ser Arg Thr Ser Ser Leu Thr Leu Ser Ile Ala Gly Ile Phe Lys Glu
65 70 75 80

Val Cys Thr Leu Leu Leu Ala Ala His Leu Leu Gly Asp Gln Ile Ser
85 90 95

Leu Leu Asn Trp Leu Gly Phe Ala Ser Ala Ser Arg Glu Tyr Pro Ser
100 105 110

Thr Leu Pro Ser Lys Pro Cys Ile Pro Glu Val Met Val Ala Pro Arg
115 120 125

Pro

<210> 728
<211> 13
<212> PRT
<213> Homo sapiens

<400> 728
Gln Lys Ala Ala Leu Arg Leu Pro Phe Pro Val Leu Leu
1 5 10

<210> 729
<211> 33
<212> PRT
<213> Homo sapiens

<400> 729
Met Ala Ser Thr Thr Leu Trp Leu Leu Trp Lys Thr Trp Leu Ser Ser
1 5 10 15
Gly Leu Arg Cys Val Gln Arg Val Pro Ser Arg Val Phe Tyr Ser Gly
20 25 30

Cys

<210> 730
<211> 8
<212> PRT
<213> Homo sapiens

<400> 730
Met Ser Leu Leu Leu Phe Leu Phe
1 5

<210> 731
<211> 36
<212> PRT
<213> Homo sapiens

<400> 731
Met Thr Ser Gly Glu Pro Trp Ala Cys Ala Gly Cys Ser PhePro Ala
1 5 10 15
Thr Ala Ala Ala Ser Asp Phe Ala Ser Val Leu Pro Gly Val Glu Gly
20 25 30
Ser Val Cys Cys
35

<210> 732
 <211> 69
 <212> PRT
 <213> Homo sapiens

<400> 732
 Met Ser His Phe Arg Pro Ala Arg Cys Leu Pro Gly Pro Cys Gln Thr
 1 5 10 15
 Leu Leu Thr Phe Pro Leu Leu Val Cys Ala Gly Leu Arg Arg Pro Pro
 20 25 30
 Arg Pro His Ser Thr Gln Pro Gly Ser Ser Cys Ser Pro Arg His Pro
 35 40 45
 Ser Phe Pro Ser Leu Ser Trp Val Met Leu Leu Pro Pro Cys Val Thr
 50 55 60
 Phe Glu Ala Val Lys
 65

<210> 733
 <211> 207
 <212> PRT
 <213> Homo sapiens

<400> 733
 Met Gly Arg Lys Leu Ser Ser Pro Thr Thr Pro Arg Asp Met Leu Leu
 1 5 10 15
 Ser Pro Thr Leu Arg Pro Arg Arg Arg Cys Leu Glu Ser Ser Val Asp
 20 25 30
 Asp Ala Gly Cys Pro Asp Leu Gly Lys Glu Pro Leu Val Phe Gln Asn
 35 40 45
 Arg Gln Phe Ala His Leu Met Glu Glu Pro Leu Gly Ser Asp Pro Phe
 50 55 60
 Ser Trp Lys Leu Pro Ser Leu Asp Tyr Glu Arg Lys Thr Lys Val Asp
 65 70 75 80
 Phe Asp Asp Phe Leu Pro Ala Ile Arg Lys Pro Gln Thr Pro Thr Ser
 85 90 95
 Leu Ala Gly Ser Ala Lys Gly Gly Gln Asp Gly Ser Gln Arg Ser Ser
 100 105 110
 Ile His Phe Glu Thr Glu Glu Ala Asn Arg Ser Phe Leu Ser Gly Ile
 115 120 125
 Lys Thr Ile Leu Lys Lys Ser Pro Glu Pro Lys Glu Asp Pro Ala His

130 135 140
 Leu Ser Asp Ser Ser Ser Ser Ser Gly Ser Ile Val Ser P~~a~~ Lys Ser
 145 150 155 160
 Ala Asp Ser Ile Lys Ser Arg Pro Gly Ile Pro Arg Leu Ala Gly Asp
 165 170 175
 Gly Gly Glu Arg Thr Ser Pro Glu Arg Arg Glu Pro G~~y~~ Thr Gly Arg
 180 185 190
 Lys Asp Asp Asp Val Ala Ser Ile Met Lys Lys Tyr Leu Gln Lys
 195 200 205

<210> 734
 <211> 23
 <212> PRT
 <213> Homo sapiens

<400> 734
 Met Phe Gln Ala Pro Ala Leu Ala Phe Leu Ser Gly Leu Gln Leu Ser
 1 5 10 15
 Phe Val Ala Cys Ser Ile Tyr
 20

<210> 735
 <211> 30
 <212> PRT
 <213> Homo sapiens
 <400> 735
 Phe Cys Leu Phe Val Cys Leu Phe Cys Met Ala His Val Phe Thr Ile
 1 5 10 15
 Pro Gly Ala Leu Pro Ser Phe Val Trp Ile Gln Phe Ser Ile
 20 25 30

<210> 736
 <211> 21
 <212> PRT
 <213> Homo sapiens
 <400> 736
 Met Trp Leu Ser Ala Phe Phe Leu Ala Arg Leu Ala Asp Ser Val Leu
 1 5 10 15
 Glu Glu Ser Ile Ile
 20

<210> 737
 <211> 27
 <212> PRT
 <213> Homo sapiens

<400> 737
 Met Ala Ser Trp Ile Cys Val Phe Cys Thr Ser Pro Ser Gly Cys Ser
 1 5 10 15
 Ala Thr Cys Leu Val Cys Tyr Pro Ala Phe Pro
 20 25

<210> 738
 <211> 34
 <212> PRT
 <213> Homo sapiens

<400> 738
 Met Leu Phe Phe Phe Ser Ile Ala Leu Ser Ser Phe Phe Phe Leu Asn
 1 5 10 15
 Leu Phe Leu Cys Leu Cys Asn Ser Arg Val Ile Gly Ile Val Leu Thr
 20 25 30
 Ile Ser

<210> 739
 <211> 71
 <212> PRT
 <213> Homo sapiens

<400> 739
 Glu Arg Cys Leu Ser Leu Leu Phe Ala Ala Ile Ile Lys Ile Pro Ile
 1 5 10 15
 His Gly Val Asn Tyr Asn Glu Glu Lys Phe Ile Ser Trp Ser Ser Gly
 20 25 30
 Gly Trp Gly Val Pro Lys Ser Arg Cys Trp His Leu Val Arg Ser Phe
 35 40 45
 Leu Leu Ser Thr Pro Trp Trp Arg Val Glu Gly Gln Lys Glu Arg Glu
 50 55 60
 Gly Trp Arg Pro Ile Gly Gly
 65 70

<210> 740
 <211> 32

<212> PRT
 <213> Homo sapiens

<400> 740
 Met Ser Val Phe Arg Val Ile Gln Ile Leu Leu Phe Pro Phe Ser Leu
 1 5 10 15
 Arg Tyr Ser Leu Gly Asp Leu Met Tyr Leu Asn Leu Thr Thr Ile Tyr
 20 25 30

<210> 741
 <211> 14
 <212> PRT
 <213> Homo sapiens

<400> 741
 Met Ser Thr Phe Leu Trp Asp Ile Gln Thr Thr Tyr Cys Phe
 1 5 10

<210> 742
 <211> 118
 <212> PRT
 <213> Homo sapiens

<400> 742
 Met Asp Leu Ala Gly Leu Leu Lys Ser Gln Phe Leu Cys His Leu Val
 1 5 10 15
 Phe Cys Tyr Val Phe Ile Ala Ser Gly Leu Ile Ile Asn Thr Ile Gln
 20 25 30
 Leu Phe Thr Leu Leu Leu Trp Pro Ile Asn Lys Gln Leu Phe Arg Lys
 35 40 45
 Ile Asn Cys Arg Leu Ser Tyr Cys Ile Ser Ser Arg Leu Gln Gly Pro
 50 55 60
 Gly Gln Glu Arg Ala Gly Leu Cys Pro Asn Tyr Arg Leu Ap Val Val
 65 70 75 80
 Leu His Arg Asp Gly Leu Leu Phe Ala Gln Val Gly Ala Gly Ser Gln
 85 90 95
 Asp Gly Cys His Gln Phe Ala Ala Pro Pro Gly Leu Po Arg Glu Val
 100 105 110
 Phe Phe Pro Asp Ser Leu
 115

<210> 743
<211> 42
<212> PRT
<213> Homo sapiens

<400> 743
Glu Trp Val Lys Gly Ile Val Ile Trp Gln Phe Tyr Leu Leu Phe Tyr
1 5 10 15
Ala Cys Leu Ser Ser Ala Cys Leu Phe Ser Pro Ser Ala Asn Ile Pro
20 25 30
Phe Met Pro Trp Ala Phe Ser Thr Val Leu
35 40

<210> 744
<211> 54
<212> PRT
<213> Homo sapiens

<400> 744
Met Trp Cys Leu Ser His Leu Ser Leu Ser Leu Ser Leu Ser His Leu
1 5 10 15
Ser Leu Ala Arg Arg Ala Gly Arg Pro Met Pro Trp Cys Pro Aa Thr
20 25 30
Gln Leu Val Ile Leu Trp Leu Gln Asn Trp Trp Ser Pro Met Met Asp
35 40 45
Met Arg Arg Ser Leu Arg
50

<210> 745
<211> 33
<212> PRT
<213> Homo sapiens

<400> 745
Leu Pro Arg Leu Gln Ser Ala Leu Leu Leu Leu Pro Leu Pro Pro Thr
1 5 10 15
Leu Gln Gly His Val Arg Ala Pro Ile Tyr Pro Pro Pro Ala Cys Arg
20 25 30
Ser

<210> 746
<211> 18

<212> PRT
 <213> Homo sapiens

<400> 746
 Met Pro His Pro Cys Leu Pro Val Ser Thr His Leu Glu Gly Arg Trp
 1 5 10 15
 Gly Cys

<210> 747
 <211> 234
 <212> PRT
 <213> Homo sapiens

<400> 747
 Lys Leu Leu Tyr Thr Thr Leu Arg His Pro Lys Cys Phe Leu Gln Arg
 1 5 10 15
 Leu Ser Leu Glu Asn Cys His Leu Thr Glu Ala Asn Cys Lys AspLeu
 20 25 30
 Ala Ala Val Leu Val Val Ser Arg Glu Leu Thr His Leu Cys Leu Ala
 35 40 45
 Lys Asn Pro Ile Gly Asn Thr Gly Val Lys Phe Leu Cys Glu Gly Leu
 50 55 60
 Arg Tyr Pro Glu Cys Lys Leu Gln Thr Leu Val Leu Trp Asn Cys Asp
 65 70 75 80
 Ile Thr Ser Asp Gly Cys Cys Asp Leu Thr Lys Leu Leu Gln Glu Lys
 85 90 95
 Ser Ser Leu Leu Cys Leu Asp Leu Gly Leu Asn His Ile Gly Val Lys
 100 105 110
 Gly Met Lys Phe Leu Cys Glu Ala Leu Arg Lys Pro Leu Cys Asn Leu
 115 120 125
 Arg Cys Leu Trp Leu Trp Gly Cys Ser Ile Pro Pro Phe Ser Cys Glu
 130 135 140
 Asp Leu Cys Ser Ala Leu Ser Cys Asn Gln Ser Leu Val Thr Leu Asp
 145 150 155 160
 Leu Gly Gln Asn Pro Leu Gly Ser Ser Gly Val Lys Met Leu Phe Glu
 165 170 175
 Thr Leu Thr Cys Ser Ser Gly Thr Leu Arg Thr Leu Arg Leu Lys Ile
 180 185 190
 Asp Asp Phe Asn Asp Glu Leu Asn Lys Leu Leu Glu Glu Ile Glu Glu
 195 200 205

Lys Asn Pro Gln Leu Ile Ile Asp Thr Glu Lys His His Pro Trp Glu
210 215 220

Glu Arg Pro Ser Ser His Asp Phe Met Ile
225 230

<210> 748

<211> 8

<212> PRT

<213> Homo sapiens

<400> 748

Ser Leu Phe Trp Gly Cys Pro Trp
1 5

<210> 749

<211> 12

<212> PRT

<213> Homo sapiens

<400> 749

Ala Gly Gly Leu Gly Leu His Ala Arg Cys Trp Arg
1 5 10

<210> 750

<211> 22

<212> PRT

<213> Homo sapiens

<400> 750

Ile Leu Ile Phe Met Val Phe Pro Phe Val Leu Val Phe Ala Ser Leu
1 5 10 15

Thr Ser Val Ile Ser Ile
20

<210> 751

<211> 18

<212> PRT

<213> Homo sapiens

<400> 751

Met Val Ala Trp Thr Ser Thr Trp Ser Arg Ala Trp Gln Ser Thr Leu
1 5 10 15

Arg Met

<210> 752
 <211> 151
 <212> PRT
 <213> Homo sapiens

 <220>
 <221> SITE
 <222> (4)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (9)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (14)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (17)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (36)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (69)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (71)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (87)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (92)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (95)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>

<221> SITE
 <222> (108)
 <223> Xaa equals any of the naturally occurring amino acids

<220>
 <221> SITE
 <222> (119)
 <223> Xaa equals any of the naturally occurring amino acids

<220>
 <221> SITE
 <222> (150)
 <223> Xaa equals any of the naturally occurring amino acids

<400> 752
 Met Arg Val Xaa Ala Pro Arg Thr Xaa Leu Leu Leu Leu Xaa Gly Ala
 1 5 10 15
 Xaa Ala Leu Thr Glu Thr Trp Ala Gly Ser HisSer Met Arg Tyr Phe
 20 25 30
 Tyr Thr Ala Xaa Ser Arg Pro Gly Arg Gly Glu Pro Arg Phe Ile Ala
 35 40 45
 Val Gly Tyr Val Asp Asp Thr Gln Phe Val Arg Phe Asp SerAsp Ala
 50 55 60
 Arg Val Arg Gly Xaa Ser Xaa Gly Arg Leu Arg Arg Gln Gly Leu His
 65 70 75 80
 Arg Pro Glu Arg Gly Pro Xaa Leu Leu Asp Arg Xaa Gly His Xaa Gly
 85 90 95
 Ser Asp His Pro Ala Gln Val Gly Gly Gly Pro Xaa Gly Gly Ala Ala
 100 105 110
 Glu Ser Leu Pro Gly Gly Xaa Val Arg Gly Val Ala Pro Gln Ile Pro
 115 120 125
 Gly Glu Arg Glu Gly Asp Ala Ala Ala Arg Gly Pro Pro Lys Asp Thr
 130 135 140
 Arg Asp Pro Pro Pro Xaa Leu
 145 150

<210> 753
 <211> 132
 <212> PRT
 <213> Homo sapiens

<400> 753
 Leu Leu Arg Pro Leu Ala Trp Leu Val Leu Arg Ala Pro Arg Gly Gly
 1 5 10 15
 Ala Gln Thr Pro Leu Tyr Cys Ala Leu Gln Glu Gly Ile Glu Pro Leu

20					25					30					
Ser	Gly	Arg	Tyr	Phe	Ala	Asn	Cys	His	Val	Glu	Glu	Val	Pro	Pro	Ala
		35					40					45			
Ala	Arg	Asp	Asp	Arg	Ala	Ala	His	Arg	Leu	Trp	Glu	Ala	Ser	Lys	Arg
		50					55					60			
Leu	Ala	Gly	Leu	Gly	Pro	Gly	Glu	Asp	Ala	Glu	Pro	Asp	Glu	Asp	Pro
		65					70					75			80
Gln	Ser	Glu	Asp	Ser	Glu	Ala	Pro	Ser	Ser	Leu	Ser	Thr	Pro	His	Pro
				85					90					95	
Glu	Glu	Pro	Thr	Val	Ser	Gln	Pro	Tyr	Pro	Ser	Pro	Gln	Ser	Ser	Pro
			100					105					110		
Asp	Leu	Ser	Lys	Met	Thr	His	Arg	Ile	Gln	Ala	Lys	Val	Glu	Pro	Glu
		115					120					125			
Ile	Gln	Leu	Ser												
		130													

<210> 754
 <211> 66
 <212> PRT
 <213> Homo sapiens

<400> 754															
Glu	Thr	Val	Gly	Cys	Gly	Phe	Ser	Leu	Ser	Phe	Phe	Phe	Asn	Phe	Leu
1				5					10					15	
Cys	Trp	Val	Phe	Glu	Gln	Pro	His	Val	Pro	Phe	Pro	Gly	Ser	Leu	Leu
			20					25					30		
Ile	Tyr	Leu	Leu	Glu	Leu	Lys	Trp	Met	Gly	Ser	Arg	Ala	Leu	Cys	Val
		35					40					45			
Ser	Met	Leu	Cys	Phe	Leu	Thr	Arg	Leu	His	Ser	Glu	Ala	Leu	Met	Pro
	50					55					60				
Phe	Gly														
	65														

<210> 755
 <211> 29
 <212> PRT
 <213> Homo sapiens

<400> 755															
Met	Ala	Thr	Leu	Ser	Leu	Arg	Ala	Gly	Leu	Gly	Phe	Cys	Phe	Leu	Leu
1				5					10					15	

Gly Leu Thr Glu Tyr Phe Val Gly Phe His Leu Ile Pro
 20 25

<210> 756
 <211> 31
 <212> PRT
 <213> Homo sapiens

<400> 756
 Met Pro Leu Val Pro Leu Leu Leu Ser Cys Pro Pro Thr TrpLeu Ala
 1 5 10 15
 Arg Phe Gly Val Ser Leu Pro Cys Ser Gly Ile Pro Val Leu Ala
 20 25 30

<210> 757
 <211> 16
 <212> PRT
 <213> Homo sapiens

<400> 757
 Met Thr Cys Cys Leu Leu Arg Ser Gly Val Pro Val Cys Leu Ser Leu
 1 5 10 15

<210> 758
 <211> 37
 <212> PRT
 <213> Homo sapiens

<400> 758
 Met Gly Leu Arg Arg His Phe Pro Ala Leu Trp Val Leu Trp Trp Pro
 1 5 10 15
 Trp Cys Pro Ser Trp Arg Gln Thr Arg Thr Pro Ser Ala Pro Ser Met
 20 25 30
 Gln Met Ala Thr Arg
 35

<210> 759
 <211> 26
 <212> PRT
 <213> Homo sapiens

<400> 759
 Cys Gly Thr Ala Tyr Cys Leu Phe Thr Pro Ser Pro Gly Met Pro Gln

1 5 10 15
 Ala Ser Ala Phe His Cys Ser Ser Leu Phe
 20 25

<210> 760
 <211> 33
 <212> PRT
 <213> Homo sapiens

<400> 760
 Met Leu Leu Gly Thr Tyr Phe Lys Val Tyr Leu Ile Phe Lys Cys Phe
 1 5 10 15
 Tyr Ile Phe Leu Tyr Lys Ser Arg Lys Met His Phe His Leu Gln Lys
 20 25 30
 Ser

<210> 761
 <211> 32
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (9)
 <223> Xaa equals any of the naturally occurring amino acids

<400> 761
 Met Gly Leu Val Glu Arg Leu Leu Xaa Cys Phe Thr His Gly Leu Trp
 1 5 10 15
 Gln Phe Ala Gln Thr Ala Pro Ile Arg Thr Pro Leu Ala Ala Phe Ala
 20 25 30

<210> 762
 <211> 196
 <212> PRT
 <213> Homo sapiens

<400> 762
 Met Trp Phe Met Tyr Leu Leu Ser Trp Leu Ser Leu Phe Ile Gln Val
 1 5 10 15
 Ala Phe Ile Thr Leu Ala Val Ala Ala Gly Leu Tyr Tyr Leu Ala Glu
 20 25 30

Leu Ile Glu Glu Tyr Thr Val Ala Thr Ser Arg Ile Ile Lys Tyr Met
 35 40 45
 Ile Trp Phe Ser Thr Ala Val Leu Ile Gly Leu Tyr Val Phe Glu Arg
 50 55 60
 Phe Pro Thr Ser Met Ile Gly Val Gly Leu Phe Thr Asn Leu Val Tyr
 65 70 75 80
 Phe Gly Leu Leu Gln Thr Phe Pro Phe Ile Met Leu Thr Ser Pro Asn
 85 90 95
 Phe Ile Leu Ser Cys Gly Leu Val Val Val Asn His Tyr Leu Ala Phe
 100 105 110
 Gln Phe Phe Ala Glu Glu Tyr Tyr Pro Phe Ser Glu Val Leu Ala Tyr
 115 120 125
 Phe Thr Phe Cys Leu Trp Ile Ile Pro Phe Ala Phe Phe Val Ser Leu
 130 135 140
 Ser Ala Gly Glu Asn Val Leu Pro Ser Thr Met Gln Pro Gly Asp Asp
 145 150 155 160
 Val Val Ser Asn Tyr Phe Thr Lys Gly Lys Arg Gly Lys Arg Leu Gly
 165 170 175
 Ile Leu Val Val Phe Ser Phe Ile Lys Glu Ala Ile Leu Pro Ser Arg
 180 185 190
 Gln Lys Ile Tyr
 195

<210> 763
 <211> 47
 <212> PRT
 <213> Homo sapiens

<400> 763
 Met Arg Gln Arg Gln Ser His Tyr Cys Ser Val Leu Phe Leu Ser Val
 1 5 10 15
 Asn Tyr Leu Gly Gly Thr Phe Pro Val Tyr Gln Lys Ser Arg Asn Leu
 20 25 30
 Gln Arg Asp Lys Ile Gln Glu Thr Phe Ala Gln Lys Arg Ile Lys
 35 40 45

<210> 764
 <211> 46
 <212> PRT
 <213> Homo sapiens

<400> 764

Gly Arg Arg Arg Ala Gln Leu Leu Trp His Ile Ile Phe Leu Gln Leu
1 5 10 15

Tyr Phe Trp Ala Arg Trp Gln Arg Glu Gly Ser Val Met Pro Pro His
20 25 30

Arg His Ser Ile Arg Arg Arg Val Asp Ser Phe Trp Met Leu
35 40 45

<210> 765

<211> 22

<212> PRT

<213> Homo sapiens

<400> 765

Met Leu Leu Ala Val Ile Leu Gln Leu Ile Pro Pro Val Thr Lys Ala
1 5 10 15

Phe Val Tyr Glu Leu Thr
20

<210> 766

<211> 5

<212> PRT

<213> Homo sapiens

<400> 766

Met Pro Cys Leu Phe
1 5

<210> 767

<211> 29

<212> PRT

<213> Homo sapiens

<400> 767

Met Gly Lys Lys His His Val Gly Arg Thr Ala Trp Val Phe Ala Leu
1 5 10 15

Val Val Val Cys Ile Leu Gly Pro Leu Leu Cys Ser Ser
20 25

<210> 768

<211> 43

<212> PRT

<213> Homo sapiens

<400> 768

Met Val Pro Leu Leu Arg Leu Cys Ser Ser Phe Val Leu Leu Leu Phe
1 5 10 15

Cys Tyr Val Thr Ala Lys Lys Lys Lys Lys Glu Lys Lys Ser Ala
20 25 30

Asn Cys Val His Ala Phe Leu Pro Ala Gly Met
35 40

<210> 769

<211> 51

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (43)

<223> Xaa equals any of the naturally occurring amino acids

<400> 769

Met Arg Ala Phe Ile Trp Thr Cys Gly Thr Trp Thr Leu Trp Ser Leu
1 5 10 15

Ser Asp Arg Ser Leu Gly Ser Ser Arg IleCys Met Gly Phe Ala Gly
20 25 30

Ser Leu Lys Arg Pro Gly Arg Thr Lys Ala Xaa Thr Thr Phe Trp Gly
35 40 45

Thr Trp Phe
50

<210> 770

<211> 90

<212> PRT

<213> Homo sapiens

<400> 770

Met Asn Ile Lys Cys Phe Val Met Cys Gly Gly Leu Tyr Leu Ala Ser
1 5 10 15

Ile Leu Val Thr Trp Arg Glu His Gly Ser Pro His Phe Leu Asp Glu
20 25 30

His Thr Asn Val Leu Arg Lys Cys Met Ile Gly Ser Lys Leu Gln Asn
35 40 45

His Leu Pro Ser Arg Ile Ile Pro Ile Ile Cys Thr Ala Ser Pro Gly
50 55 60

Ala Asn Gly Phe Ile Gln Arg Gly Ser Thr Glu Leu Trp Val Ile Arg
65 70 75 80

Arg Gln Tyr Pro Arg Val Arg Val Phe Pro
85 90

<210> 771
<211> 50
<212> PRT
<213> Homo sapiens

<400> 771
Met Tyr Ile Phe Glu Leu Ser Leu Tyr Leu Glu Gly Thr Ser Phe Val
1 5 10 15
Val Val Leu Leu Phe Leu Leu Ile Ser Val Ser Leu Asp Ser Pro Pro
20 25 30
Thr Thr Lys Gly Trp Gly Leu Cys Leu Thr Tyr Leu Gly Ala Leu Ile
35 40 45
Val Gln
50

<210> 772
<211> 3
<212> PRT
<213> Homo sapiens

<400> 772
Val Glu Arg
1

<210> 773
<211> 32
<212> PRT
<213> Homo sapiens

<400> 773
Met Gly Ser Trp Leu Trp Thr Val Ala Asn Leu Leu His Ile Pro Pro
1 5 10 15
Asn Leu Tyr Arg Met Leu Ala Gly Arg TrpGln Arg Ala His Trp Asp
20 25 30

<210> 774
<211> 24
<212> PRT

<213> Homo sapiens

<400> 774

Met Ala Ser Glu Leu Ala Arg Leu Leu His Ala Phe Gly Leu Met Gly
1 5 10 15

Pro Arg Lys Ala Gly Glu Ser Ser
20

<210> 775

<211> 66

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (31)

<223> Xaa equals any of the naturally occurring amino acids

<400> 775

Met Gln Leu Glu Ala Leu Asn Leu Leu His Thr Leu Val Trp Ala Arg
1 5 10 15

Ser Leu Cys Arg Ala Gly Ala Val Gln Thr Gln Glu Arg Leu Xaa Gly
20 25 30

Ser Ala Ser Pro Glu Gln Val Pro Ala Gly Glu Cys Cys Ala Leu Gln
35 40 45

Glu Tyr Glu Ala Ala Val Gly Ala Ala Gln Glu Arg Ala Asp Pro Gly
50 55 60

Ala Gly
65

<210> 776

<211> 39

<212> PRT

<213> Homo sapiens

<400> 776

Met Leu Leu Glu Lys Val Ile Arg Leu Arg Cys Ser Cys Phe Val Leu
1 5 10 15

Leu Cys Phe Ser Leu Ser Trp Val Gly Val Ser Ser Ser Asn Asp Val
20 25 30

Gln Val Asp Leu Phe Ser His
35

<210> 777

<211> 71
 <212> PRT
 <213> Homo sapiens

<400> 777
 Met Asn Gly Lys Trp Ser Leu Met Cys Ser Val Ser Leu Val Ala Leu
 1 5 10 15
 Gln Leu Thr Val Ala Pro Ala Gly His Pro Ala Gln Asn Ala Gln Lys
 20 25 30
 Arg Thr Met His Thr Cys Thr Ala Phe Glu Ser His Glu Leu Glu Ala
 35 40 45
 Val Val Arg Ala Ser Lys Glu Pro Thr Val Trp Cys Ala Val Gly Ile
 50 55 60
 Trp Arg Gly Arg Gly Pro Gly
 65 70

<210> 778
 <211> 327
 <212> PRT
 <213> Homo sapiens

<400> 778
 Met Leu Ala Thr Ser Gln Ala Leu Asp Thr Val Trp Arg Met Ala Lys
 1 5 10 15
 Gly Phe Val Met Leu Ala Val Ser Phe Leu Val Ala Ala Ile Cys Tyr
 20 25 30
 Phe Arg Arg Leu His Leu Tyr Ser Gly His Lys Leu Lys Trp Trp Ile
 35 40 45
 Gly Tyr Leu Gln Arg Lys Phe Lys Arg Asn Leu Ser Val Glu Ala Glu
 50 55 60
 Val Asp Leu Leu Ser Tyr Cys Ala Arg Glu Trp Lys Gly Glu Thr Pro
 65 70 75 80
 Arg Asn Lys Leu Met Arg Lys Ala Tyr Glu Glu Leu Phe Trp Arg His
 85 90 95
 His Ile Lys Cys Val Arg Gln Val Arg Arg Asp Asn Tyr Asp Ala Leu
 100 105 110
 Arg Ser Val Leu Phe Gln Ile Phe Ser Gln Gly Ile Ser Phe Pro Ser
 115 120 125
 Trp Met Lys Glu Lys Asp Ile Val Lys Leu Pro Glu Lys Leu Leu Phe
 130 135 140
 Ser Gln Gly Cys Asn Trp Ile Gln Gln Tyr Ser Phe Gly Pro Glu Lys
 145 150 155 160

Tyr Thr Gly Ser Asn Val Phe Gly Lys Leu Arg Lys Tyr Val Glu Leu
 165 170 175
 Leu Lys Thr Gln Trp Thr Glu Phe Asn Gly Ile Arg Asp Tyr His Lys
 180 185 190
 Arg Gly Ser Met Cys Asn Thr Leu Phe Ser Asp Ala Ile Leu Glu Tyr
 195 200 205
 Lys Leu Tyr Glu Ala Leu Lys Phe Ile Met Leu Tyr Gln Val Thr Glu
 210 215 220
 Val Tyr Glu Gln Met Lys Thr Lys Lys Val Ile Pro Ser Leu Phe Arg
 225 230 235 240
 Leu Leu Phe Ser Arg Glu Thr Ser Ser Asp Pro Leu Ser Phe Met Met
 245 250 255
 Asn His Leu Asn Ser Val Gly Asp Thr Cys Gly Leu Glu Gln Ile Asp
 260 265 270
 Met Phe Ile Leu Gly Tyr Ser Leu Glu Val Lys Ile Lys Val Phe Arg
 275 280 285
 Leu Phe Lys Phe Asn Ser Arg Asp Phe Glu Val Cys Tyr Pro Glu Glu
 290 295 300
 Pro Leu Arg Asp Trp Pro Glu Ile Ser Leu Leu Thr Glu Asn Asp Arg
 305 310 315 320
 His Tyr His Ile Pro Val Phe
 325

<210> 779
 <211> 7
 <212> PRT
 <213> Homo sapiens

<400> 779
 Met Phe Glu Cys Tyr Cys Leu
 1 5

<210> 780
 <211> 130
 <212> PRT
 <213> Homo sapiens

<400> 780
 Met Tyr Gln Thr Pro Met Glu Val Ala Val Tyr Gln Leu His Asn Phe
 1 5 10 15

Ser Ile Ser Phe Phe Ser Ser Leu Leu Gly Gly Asp Val Val Ser Val

	20		25		30										
Lys	Leu	Asp	Asn	Ser	Ala	Ser	Gly	Ala	Ser	Val	Val	Ala	Ile	Asp	Asn
		35					40					45			
Lys	Ile	Glu	Gln	Ala	Met	Asp	Leu	Val	Lys	Asn	His	Leu	Met	Tyr	Ala
	50					55					60				
Val	Arg	Glu	Glu	Val	Glu	Ile	Leu	Lys	Glu	Gln	Ile	Arg	Glu	Leu	Val
65					70					75				80	
Glu	Lys	Asn	Ser	Gln	Leu	Glu	Arg	Glu	Asn	Thr	Leu	Leu	Lys	Thr	Leu
				85					90					95	
Ala	Ser	Pro	Glu	Gln	Leu	Glu	Lys	Phe	Gln	Ser	Cys	Leu	Ser	Pro	Glu
			100					105						110	
Glu	Pro	Ala	Pro	Glu	Ser	Pro	Gln	Val	Pro	Glu	Ala	Pro	Gly	Gly	Ser
		115					120					125			
Ala	Val														
	130														

<210> 781
 <211> 57
 <212> PRT
 <213> Homo sapiens

<400> 781															
Met	Asn	Ser	Gln	Val	Leu	Tyr	Phe	Thr	Val	Leu	Val	Cys	Leu	Met	Glu
1				5					10					15	
Ile	Ser	Arg	Trp	Ser	His	Lys	Asn	Ile	Leu	Cys	Ser	Val	Pro	Ser	Lys
		20						25					30		
Arg	Thr	Ile	Tyr	Phe	Ser	Ser	Leu	Ile	Val	Pro	Gln	Ser	His	Ile	Trp
		35					40					45			
Trp	Trp	Ser	Ala	Lys	Ser	His	Leu	Val							
	50					55									

<210> 782
 <211> 9
 <212> PRT
 <213> Homo sapiens

<400> 782															
Ala	Leu	Trp	Leu	Leu	Leu	Gln	Leu	Ser							
1						5									

<210> 783

<211> 16
<212> PRT
<213> Homo sapiens

<400> 783
Phe Leu Ile Ser Leu Cys Ile Leu Ile Pro Phe Leu Ile Leu Ser Pro
1 5 10 15

<210> 784
<211> 19
<212> PRT
<213> Homo sapiens

<400> 784
Met Trp Leu Met Met Gln Leu Leu Ser Phe Phe Val Phe Leu Cys Leu
1 5 10 15

Leu Tyr Leu

<210> 785
<211> 58
<212> PRT
<213> Homo sapiens

<400> 785
Met Gly Phe Pro Leu Trp Ile Thr Arg Pro Phe Ser Leu Ala Ala Leu
1 5 10 15

Asn Val Phe Phe Ile Pro Phe Asn Leu Gly Glu Ser Asp Asp Tyr Val
20 25 30

Ser Trp Gly Cys Ser Ser Arg Glu Val Ser Leu Trp Trp Ser Leu Ser
35 40 45

Phe Leu Asn Leu Asn Val Gly Leu Ser Cys
50 55

<210> 786
<211> 75
<212> PRT
<213> Homo sapiens

<400> 786
Met Asn Leu His Tyr Leu Leu Ala Val Ile Leu Ile Gly Ala Ala Gly
1 5 10 15

Val Phe Ala Phe Ile Asp Val Cys Leu Gln Arg Asn His Phe Arg Gly

20 25 30
 Lys Lys Ala Lys Lys His Met Leu Val Pro Pro Pro Gly Lys Glu Lys
 35 40 45
 Gly Pro Gln Gln Gly Lys Gly Pro Glu Pro Ala Lys Pro Pro Glu Pro
 50 55 60
 Gly Lys Pro Pro Gly Pro Ala Lys Gly Lys Lys
 65 70 75

<210> 787
 <211> 7
 <212> PRT
 <213> Homo sapiens

<400> 787
 Met Gly Leu Trp Trp Arg Cys
 1 5

<210> 788
 <211> 32
 <212> PRT
 <213> Homo sapiens

<400> 788
 Met Ala Leu Leu Ile Leu Leu Phe Cys Ile Leu Lys Tyr Lys Gln Leu
 1 5 10 15
 Asp Ile Ala Glu Asp Gly Ser Gly Gly Gln Gly Gln Ile Ser Gln Met
 20 25 30

<210> 789
 <211> 69
 <212> PRT
 <213> Homo sapiens

<400> 789
 Met Lys Leu Leu Leu Cys Phe Trp Val Asn Arg Cys Ala Cys Gln Leu
 1 5 10 15
 Ala Cys Val Leu Ser Lys Phe His Lys Leu Lys Val Phe Lys Gly Cys
 20 25 30
 Val Val Ser Glu Leu Tyr Val Ser Phe Leu Ser Leu Tyr Leu Gln Arg
 35 40 45
 Val Arg Asn Glu Ile Tyr Thr Ser Lys Val Ser Leu Ile An Met Ala

50 55 60
 Phe Cys Phe Ser Met
 65

 <210> 790
 <211> 124
 <212> PRT
 <213> Homo sapiens

 <220>
 <221> SITE
 <222> (102)
 <223> Xaa equals any of the naturally occurring amino acids

 <400> 790
 Glu Leu Leu Ile Leu Asn Phe Cys Lys Cys Phe Leu Leu Gln Ser Met
 1 5 10 15
 Val Phe Ala Lys Thr Cys Gly Ser Trp Arg Ser Gln Ala Cys Leu Val
 20 25 30
 Gly Thr Ser Met Arg Ser Val Leu Asn Pro Arg Val Lys Ser Gly Arg
 35 40 45
 Phe Val Lys Ile Leu Pro Asp Tyr Glu His Met Ala Tyr Arg Asp Val
 50 55 60
 Tyr Thr Cys Leu Leu His Arg Tyr Arg His Ile Leu Gly Leu Trp Gln
 65 70 75 80
 Pro Asp Ile Gly Pro Tyr Gly Gly Leu Leu Asn Val Val Val Asp Gly
 85 90 95
 Leu Phe Ile Ile Gly Xaa Met Arg Arg Ala Pro Pro Ile Cys Thr Val
 100 105 110
 His Ser Thr Ser Ile Ala Phe Leu Phe Tyr Phe Phe
 115 120

 <210> 791
 <211> 21
 <212> PRT
 <213> Homo sapiens

 <400> 791
 Met Phe Lys Val Arg Gly Phe Leu Ser Ile Cys Leu Val Phe Cys Trp
 1 5 10 15
 Gln Val Thr Cys Arg
 20

<210> 792
 <211> 47
 <212> PRT
 <213> Homo sapiens

<400> 792
 Met Ile Phe Pro Lys Ile Cys Pro Ile Ser Pro Asn Leu Val Ser Val
 1 5 10 15
 Leu Ser Leu Val Phe Phe Trp Thr Leu Leu Gly Ser Arg Arg Val Cys
 20 25 30
 Tyr Gln Phe Ser Arg Leu Gly Glu Val Arg Ser Gly Glu Gln Leu
 35 40 45

<210> 793
 <211> 38
 <212> PRT
 <213> Homo sapiens

<400> 793
 Met Leu Ser Pro Ser Gln Thr Pro Gly Ser Cys Leu Lys Trp Ala Pro
 1 5 10 15
 Ser Trp Val Thr Arg Cys Thr Phe Trp Thr Leu Val Val Ala Ser Leu
 20 25 30
 Ala Gln Lys Gly Pro Lys
 35

<210> 794
 <211> 124
 <212> PRT
 <213> Homo sapiens

<400> 794
 Met Ala Asp Thr Ala Cys Asp Ser Asp Val Leu Leu Gln Leu Val Leu
 1 5 10 15
 Val Trp Leu Gly Glu Val Leu Gly Val Ile Gly Asp Cys Pro Glu Leu
 20 25 30
 Val Gln Arg Ser Phe Leu Val Ala Ser Val Leu Pro Gly Pro Asp Gly
 35 40 45
 Asn Ile Asn Ser Pro Thr Arg Asn Ala Asp Met Gln Glu Glu Leu Ile
 50 55 60
 Ala Ser Leu Glu Glu Gln Leu Lys Leu Ser Gly Glu His Ser Glu Ser
 65 70 75 80
 Ser Thr Pro Arg Pro Arg Ser Ser Pro Glu Glu Thr Ile Glu Pro Glu

	85		90		95
Ser	Leu	His	Gln	Leu	Phe
	100				
Glu	Gly	Glu	Ser	Glu	Thr
	105				
Ser	Phe	Tyr			
	110				
Gly	Phe	Glu	Glu	Ala	Asp
	115				
Leu	Met	Glu	Ile		
	120				

<210> 795
 <211> 348
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (34)
 <223> Xaa equals any of the naturally occurring amino acids

<220>
 <221> SITE
 <222> (37)
 <223> Xaa equals any of the naturally occurring amino acids

<400> 795
 Met Asn Met Thr Gln Ala Arg Val Leu Val Aa Ala Val Val Gly Leu
 1 5 10 15
 Val Ala Val Leu Leu Tyr Ala Ser Ile His Lys Ile Glu Glu Gly His
 20 25 30
 Leu Xaa Val Tyr Xaa Arg Gly Gly Ala Leu Leu Tr Ser Pro Ser Gly
 35 40 45
 Pro Gly Tyr His Ile Met Leu Pro Phe Ile Thr Thr Phe Arg Ser Val
 50 55 60
 Gln Thr Thr Leu Gln Thr Asp Glu Val Lys Asn Val Pro Cys Gly Thr
 65 70 75 80
 Ser Gly Gly Val Met Ile Tyr Ile Asp Arg Ile Glu Val Val Asn Met
 85 90 95
 Leu Ala Pro Tyr Ala Val Phe Asp Ile Val Arg Asn Tyr Thr Ala Sp
 100 105 110
 Tyr Asp Lys Thr Leu Ile Phe Asn Lys Ile His His Glu Leu Asn Gln
 115 120 125
 Phe Cys Ser Ala His Thr Leu Gln Glu Val Tyr Ile Glu Leu Phe Asp
 130 135 140
 Gln Ile Asp Glu Asn Leu Lys Gln Ala Leu Gln Lys Asp Leu Asn Leu
 145 150 155 160
 Met Ala Pro Gly Leu Thr Ile Gln Ala Val Arg Val Thr Lys Pro Lys

Leu Trp Val Leu Phe Pro Tyr Leu Ser Val Thr Arg Phe Leu Ile Leu
 85 90 95
 Ile Pro Cys Cys Glu Phe Gly Ser Leu Cys Trp Ala Ile Gln Ser Ser
 100 105 110
 Ser Glu Arg Ala Lys Leu Val Leu Glu Leu Arg Cys Arg Trp Gly Lys
 115 120 125
 Arg Gly Leu Ser
 130

<210> 797
 <211> 9
 <212> PRT
 <213> Homo sapiens

<400> 797
 Met Pro Leu Trp Ala His Leu Ala Ser
 1 5

<210> 798
 <211> 327
 <212> PRT
 <213> Homo sapiens

<400> 798
 Met Leu Ala Thr Ser Gln Ala Leu Asp Thr Val Trp Arg Met Ala Lys
 1 5 10 15
 Gly Phe Val Met Leu Ala Val Ser Phe Leu Val Ala Ala Ile Cys Tyr
 20 25 30
 Phe Arg Arg Leu His Leu Tyr Ser Gly His Lys Leu Lys Trp Trp Ile
 35 40 45
 Gly Tyr Leu Gln Arg Lys Phe Lys Arg Asn Leu Ser Val Glu Ala Glu
 50 55 60
 Val Asp Leu Leu Ser Tyr Cys Ala Arg Glu Trp Lys Gly Glu Thr Pro
 65 70 75 80
 Arg Asn Lys Leu Met Arg Lys Ala Tyr Glu Gln Leu Phe Trp Arg His
 85 90 95
 His Ile Lys Cys Val Arg Gln Val Arg Arg Asp Asn Tyr Asp Ala Leu
 100 105 110
 Arg Ser Val Leu Phe Gln Ile Phe Ser Gln Gly Ile Ser Phe Pro Ser
 115 120 125
 Trp Met Lys Glu Lys Asp Ile Val Lys Leu Pro Glu Lys Leu Leu Phe

130					135					140					
Ser	Gln	Gly	Cys	Asn	Trp	Ile	Gln	Gln	Tyr	Ser	Phe	Gly	Pro	Glu	Lys
145					150					155					160
Tyr	Thr	Gly	Ser	Asn	Val	Phe	Gly	Lys	Leu	Arg	Lys	Tyr	Val	Glu	Leu
				165					170					175	
Leu	Lys	Thr	Gln	Trp	Thr	Glu	Phe	Asn	Gly	Ile	Arg	Asp	Tyr	His	Leu
			180					185					190		
Arg	Gly	Ser	Met	Cys	Asn	Thr	Leu	Phe	Ser	Asp	Ala	Ile	Leu	Glu	Tyr
		195					200					205			
Lys	Leu	Tyr	Glu	Ala	Leu	Lys	Phe	Ile	Met	Leu	Tyr	Gln	Val	Thr	Glu
	210					215					220				
Val	Tyr	Glu	Gln	Met	Lys	Thr	Lys	Lys	Val	Ile	Pro	Ser	Leu	Phe	Arg
225						230					235				240
Leu	Leu	Phe	Ser	Arg	Glu	Thr	Ser	Ser	Asp	Pro	Leu	Ser	Phe	Met	Met
				245					250					255	
Asn	His	Leu	Asn	Ser	Val	Gly	Asp	Thr	Cys	Gly	Leu	Glu	Gln	Ile	Asp
			260					265					270		
Met	Phe	Ile	Leu	Gly	Tyr	Ser	Leu	Glu	Val	Lys	Ile	Lys	Val	Phe	Arg
		275					280					285			
Leu	Phe	Lys	Phe	Asn	Ser	Arg	Asp	Phe	Glu	Val	Cys	Tyr	Pro	Glu	Glu
	290					295					300				
Pro	Leu	Arg	Asp	Trp	Pro	Glu	Ile	Ser	Leu	Leu	Thr	Glu	Asn	Asp	Arg
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His	Tyr	His	Ile	Pro	Val	Phe									
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 <212> PRT
 <213> Homo sapiens

<400> 799
 Met Phe Glu Cys Tyr Cys Leu
 1 5

<210> 800
 <211> 130
 <212> PRT
 <213> Homo sapiens

<400> 800

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 1 5 10 15
 Ser Ile Ser Phe Phe Ser Ser Leu Leu Gly Gly Asp Val Val Ser Val
 20 25 30
 Lys Leu Asp Asn Ser Ala Ser Gly Ala Ser Val Val Ala Ile Asp Asn
 35 40 45
 Lys Ile Glu Gln Ala Met Asp Leu Val Lys Asn His Leu Met Tyr Ala
 50 55 60
 Val Arg Glu Glu Val Glu Ile Leu Lys Glu Gln Ile Arg Glu Leu Val
 65 70 75 80
 Glu Lys Asn Ser Gln Leu Glu Arg Glu Asn Thr Leu Leu Lys Thr Leu
 85 90 95
 Ala Ser Pro Glu Gln Leu Glu Lys Phe Gln Ser Cys Leu Ser Pro Glu
 100 105 110
 Glu Pro Ala Pro Glu Ser Pro Gln Val Pro Glu Ala Pro Gly Gly Ser
 115 120 125
 Ala Val
 130

<210> 801
 <211> 57
 <212> PRT
 <213> Homo sapiens

<400> 801
 Met Asn Ser Gln Val Leu Tyr Phe Thr Val Leu Val Cys Leu Met Glu
 1 5 10 15
 Ile Ser Arg Trp Ser His Lys Asn Ile Leu Cys Ser Val ProSer Lys
 20 25 30
 Arg Thr Ile Tyr Phe Ser Ser Leu Ile Val Pro Gln Ser His Ile Trp
 35 40 45
 Trp Trp Ser Ala Lys Ser His Leu Val
 50 55

<210> 802
 <211> 9
 <212> PRT
 <213> Homo sapiens

<400> 802
 Ala Leu Trp Leu Leu Leu Gln Leu Ser
 1 5

<210> 803
<211> 9
<212> PRT
<213> Homo sapiens

<400> 803
Ala Leu Trp Leu Leu Leu Gln Leu Ser
1 5

<210> 804
<211> 16
<212> PRT
<213> Homo sapiens

<400> 804
Phe Leu Ile Ser Leu Cys Ile Leu Ile Pro Phe Leu Ile Leu Ser Pro
1 5 10 15

<210> 805
<211> 19
<212> PRT
<213> Homo sapiens

<400> 805
Met Trp Leu Met Met Gln Leu Leu Ser Phe Phe Val Phe Leu Cys Leu
1 5 10 15
Leu Tyr Leu

<210> 806
<211> 19
<212> PRT
<213> Homo sapiens

<400> 806
Met Trp Leu Met Met Gln Leu Leu Ser Phe Phe Val Phe Leu Cys Leu
1 5 10 15
Leu Tyr Leu

<210> 807

<211> 58
<212> PRT
<213> Homo sapiens

<400> 807
Met Gly Phe Pro Leu Trp Ile Thr Arg Pro Phe Ser Leu Ala Ala Leu
1 5 10 15
Asn Val Phe Phe Ile Pro Phe Asn Leu Gly Glu Ser Asp Asp Tyr Val
20 25 30
Ser Trp Gly Cys Ser Ser Arg Glu Val Ser Leu Trp Trp Ser Leu Ser
35 40 45
Phe Leu Asn Leu Asn Val Gly Leu Ser Cys
50 55

<210> 808
<211> 75
<212> PRT
<213> Homo sapiens

<400> 808
Met Asn Leu His Tyr Leu Leu Ala Val Ile Leu Ile Gly Ala Ala Gly
1 5 10 15
Val Phe Ala Phe Ile Asp Val Cys Leu Gln Arg Asn His Phe Arg Gly
20 25 30
Lys Lys Ala Lys Lys His Met Leu Val Pro Pro Pro Gly Lys Glu Lys
35 40 45
Gly Pro Gln Gln Gly Lys Gly Pro Glu Pro Ala Lys Pro Pro Glu Pro
50 55 60
Gly Lys Pro Pro Gly Pro Ala Lys Gly Lys Lys
65 70 75

<210> 809
<211> 75
<212> PRT
<213> Homo sapiens

<400> 809
Met Asn Leu His Tyr Leu Leu Ala Val Ile Leu Ile Gly Ala Ala Gly
1 5 10 15
Val Phe Ala Phe Ile Asp Val Cys Leu Gln Arg Asn His Phe Arg Gly
20 25 30
Lys Lys Ala Lys Lys His Met Leu Val Pro Pro Pro Gly Lys Glu Lys
35 40 45

Gly Pro Gln Gln Gly Lys Gly Pro Glu Pro Ala Lys Pro Pro Glu Pro
 50 55 60

Gly Lys Pro Pro Gly Pro Ala Lys Gly Lys Lys
 65 70 75

<210> 810
 <211> 75
 <212> PRT
 <213> Homo sapiens

<400> 810
 Met Asn Leu His Tyr Leu Leu Ala Val Ile Leu Ile Gly Ala Ala Gly
 1 5 10 15
 Val Phe Ala Phe Ile Asp Val Cys Leu Gln Arg Asn His Phe Arg Gly
 20 25 30
 Lys Lys Ala Lys Lys His Met Leu Val Pro Pro Pro Gly Lys Glu Lys
 35 40 45
 Gly Pro Gln Gln Gly Lys Gly Pro Glu Pro Ala Lys Pro Pro Glu Pro
 50 55 60
 Gly Lys Pro Pro Gly Pro Ala Lys Gly Lys Lys
 65 70 75

<210> 811
 <211> 75
 <212> PRT
 <213> Homo sapiens

<400> 811
 Met Asn Leu His Tyr Leu Leu Ala Val Ile Leu Ile Gly Ala Ala Gly
 1 5 10 15
 Val Phe Ala Phe Ile Asp Val Cys Leu Gln Arg Asn His Phe Arg Gly
 20 25 30
 Lys Lys Ala Lys Lys His Met Leu Val Pro Pro Pro Gly Lys Glu Lys
 35 40 45
 Gly Pro Gln Gln Gly Lys Gly Pro Glu Pro Ala Lys Pro Pro Glu Pro
 50 55 60
 Gly Lys Pro Pro Gly Pro Ala Lys Gly Lys Lys
 65 70 75

<210> 812
 <211> 75
 <212> PRT

<213> Homo sapiens

<400> 812

Met Asn Leu His Tyr Leu Leu Ala Val Ile Leu Ile Gly Ala Ala Gly
1 5 10 15
Val Phe Ala Phe Ile Asp Val Cys Leu Gln Arg Asn His Phe Arg Gly
20 25 30
Lys Lys Ala Lys Lys His Met Leu Val Pro Pro Pro Gly Lys Glu Lys
35 40 45
Gly Pro Gln Gln Gly Lys Gly Pro Glu Pro Ala Lys Pro Pro Glu Pro
50 55 60
Gly Lys Pro Pro Gly Pro Ala Lys Gly Lys Lys
65 70 75

<210> 813

<211> 7

<212> PRT

<213> Homo sapiens

<400> 813

Met Gly Leu Trp Trp Arg Cys
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<210> 814

<211> 32

<212> PRT

<213> Homo sapiens

<400> 814

Met Ala Leu Leu Ile Leu Leu Phe Cys Ile Leu Lys Tyr Lys Gln Leu
1 5 10 15
Asp Ile Ala Glu Asp Gly Ser Gly Gly Gln Gly Gln Ile Ser Gln Met
20 25 30

<210> 815

<211> 69

<212> PRT

<213> Homo sapiens

<400> 815

Met Lys Leu Leu Leu Cys Phe Trp Val Asn Arg Cys Ala Cys Gln Leu
1 5 10 15

Ala Cys Val Leu Ser Lys Phe His Lys Leu Lys Val Phe Lys Gly Cys
20 25 30
Val Val Ser Glu Leu Tyr Val Ser Phe Leu Ser Leu Tyr Leu Gln Arg
35 40 45
Val Arg Asn Glu Ile Tyr Thr Ser Lys Val Ser Leu Ile Asn Met Ala
50 55 60
Phe Cys Phe Ser Met
65

<210> 816
<211> 123
<212> PRT
<213> Homo sapiens

<400> 816
Glu Leu Leu Ile Leu Asn Phe Cys Lys Cys Phe Leu Leu Gln Ser Met
1 5 10 15
Val Phe Ala Lys Thr Cys Gly Ser Trp Arg Ser Gln Ala Cys Leu Val
20 25 30
Gly Thr Ser Met Arg Ser Val Leu Asn Pro Arg Val Lys Ser Gly Arg
35 40 45
Phe Val Lys Ile Leu Pro Asp Tyr Glu His Met Ala Tyr Arg Asp Val
50 55 60
Tyr Thr Cys Leu Leu His Arg Tyr Arg His Ile Leu Gly Leu Trp Gln
65 70 75 80
Pro Asp Ile Gly Pro Tyr Gly Gly Leu Leu Asn Val Val Val Asp Gly
85 90 95
Leu Phe Ile Ile Val Met Arg Arg Ala Pro Pro Ile Cys Thr Val His
100 105 110
Ser Thr Ser Ile Ala Phe Leu Phe Tyr Phe Phe
115 120

<210> 817
<211> 47
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring amino acids
<400> 817

Met Phe Lys Val Arg Gly Phe Leu Ser Ile Cys Leu Val Phe Cys Trp
 1 5 10 15
 Xaa Gly His Met Gln Val Ile Gly Tyr Gly Lys Gly Lys Met Pro Arg
 20 25 30
 Leu Leu Leu Gly Trp Ser Pro Ser Pro Lys Phe Lys Pro Pro Glu
 35 40 45

<210> 818
 <211> 47
 <212> PRT
 <213> Homo sapiens

<400> 818
 Met Ile Phe Pro Lys Ile Cys Pro Ile Ser Pro Asn Leu Val Ser Val
 1 5 10 15
 Leu Ser Leu Val Phe Phe Trp Thr Leu Leu Gly Ser Arg Arg Val Cys
 20 25 30
 Tyr Gln Phe Ser Arg Leu Gly Glu Val Arg Ser Gly Glu Gln Leu
 35 40 45

<210> 819
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 <212> DNA
 <213> Homo sapiens

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 aaaaactggt g 131

<210> 820
 <211> 162
 <212> DNA
 <213> Homo sapiens

<400> 820
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 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaagaaca aa 162

<210> 821
 <211> 100
 <212> DNA
 <213> Homo sapiens

<400> 821
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 cactgcactc cagcctgggc gacagagcga gactcactt 100

<210> 822
 <211> 140
 <212> DNA
 <213> Homo sapiens

<400> 822
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 gccactgcac tccagcctgg gcgacagagc gaaactccgt ctcaaaaaaa aaaaaaaaaa 120
 aaaaaaaaaa gaggggaaaa 140

<210> 823
 <211> 114
 <212> DNA
 <213> Homo sapiens

<400> 823
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 ctgcactcca gcctgggcga cagagcaaga ttccgtctca aaaaaaaaaa aacg 114

<210> 824
 <211> 61
 <212> DNA
 <213> Homo sapiens

<400> 824
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 a 61

<210> 825
 <211> 136
 <212> DNA
 <213> Homo sapiens

<400> 825
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 gcactccagc ctgggcgaca gagtgagact ccgtctcaaa aaaaaaaaaa aaaaaaaaaa 120
 aaaaaaaaaa aaaaaa 136

<210> 826
 <211> 123
 <212> DNA
 <213> Homo sapiens

<400> 826
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 tta 123

<210> 827
 <211> 45
 <212> DNA
 <213> Homo sapiens

<400> 827
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<210> 828

<211> 368
 <212> DNA
 <213> Homo sapiens

<400> 828
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 ctaatatcca gaatctacag tgactcaaa caaattttaca agaaaaaac aaacaacccc 240
 atcaaaaagt gggcaaagta tatgaacaga cactttctcaa aagaagacat ttatgcagct 300
 aaaagacaca tgaaaaaatg cccatcatca ctggccatca gagaaatgca aatcaaaacc 360
 acaatgag 368

<210> 829
 <211> 2925
 <212> DNA
 <213> Homo sapiens

<400> 829
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 caacctctgc aagtccacag ggtgtgatat ggacattaag gagatctatg gacgaatagc 300
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 <212> DNA
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<400> 830						
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 <212> DNA
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<211> 941

<212> DNA

<213> Homo sapiens

<400> 843

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<211> 432

<212> DNA

<213> Homo sapiens

<400> 844

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 <212> DNA
 <213> Homo sapiens

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 <212> DNA
 <213> Homo sapiens

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 <222> (395)..(395)

<223> n equals a,t,g, or c

<400> 847

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<211> 1568

<212> DNA

<213> Homo sapiens

<400> 848

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 <212> DNA
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 <212> DNA
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 <223> n equals a,t,g, or c

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<211> 1561
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 <213> Homo sapiens

<400> 862

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 <213> Homo sapiens

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 <213> Homo sapiens

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 <212> DNA
 <213> Homo sapiens

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 <211> 415
 <212> DNA
 <213> Homo sapiens

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 <212> DNA
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 <211> 285
 <212> DNA
 <213> Homo sapiens

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<210> 869
 <211> 415
 <212> DNA
 <213> Homo sapiens

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 <212> DNA
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 <212> DNA
 <213> Homo sapiens

<400> 873						
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<400> 885

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